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NUMBER 19

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positry fard of the property of the property of the woodruff Red Grape—Oh!
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for Profit—Spring Culture of Strawberries—hard Management—Horsicultural Notes. and management of the state of

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driadry.—Bloody Milk—No Diagnosis—Gar get in a Cow—Probably Garget in a Sow.....

## Agricultural.

ENSILAGE. rof. Samuel Johnson, of the Agricul al College, sends us a sample of ensilfrom a silo filled September 3, 1884, pened this month. The Professor in an accompanying card, that he is ing it with good results. The sample ows the fodder well preserved, of good r, with a strong vinous odor that un tedly makes stock relish it greatly. appearance and smell are very much that presented by a good specimen of er-kraut. In this shape we can readily how greedily stock would eat it after a winter feeding upon hay and grain. ensilage would act upon them just the ne as roots, aiding digestion and giving e to the stomach more or less cloyed om dry feed. While we cannot cept the strong claims of those who ist that preserving fodder in a silo it a value for feed that it did not s when green, it certainly can be ed to great advantage as a ration for ttle in conjunction with other food. In way it would take the place of the crop, which our Michigan farmers, here and there an exception, will grow. It is succulent and palatable, nust be very grateful to cattle deed for a long time of green food. One ing that has prevented the more gener use of the silo by farmers is that too chwas claimed for it at first, and when was found that this process of preserv fodder would not impart to it qualithat it did not possess in the green te, it was at once set down by many as humbug. Nothing is more certain,

wever, that ensilage is yet designed to

an important figure in winter feeding,

cially among dairymen, and its great

ue when properly cured and fed with

dgment is sure to become an acknowl.
ged fact. Animals are like human be-

in many respects, and a change of

d is not only proper as a method of im-

ting greater relish to their food, but it

also a matter of economy, and it is a

at aid in keeping the digestive organs

proper condition. The silo will not roduce a food that will take the place of

in and hay, but will be found an

omical and healthful food during our

g winters, when a change of ration is cult to obtain by most farmers. this connection we refer to a test rently made at the New Jersey Experi-ent Station, to determine the comparae value of corn grown for grain and fodder. It was found that, with the agle exception of digestible fibre, the e in field corn surpassed that in fodder m, both in quantity and the value of digestible food produced. Expense gathering was also in favor of the field After deducting expenses, the ace to cover rent, cost of raising and fit, was found to be \$45.50 for the corn and \$35.91 for the ensilage. assumes that the stalks are carefully ized as food. · If these are wasted and 1-meal is regarded as the only valuable duct, the balance at once changes to 4 per acre for the ensilage. In relaa to feeding value it was proved, so as trial could establish it, that in quanof digestible food and expense incurin gathering and preserving it, the ance is at present decidedly in favor of

e field corn. But it does not always follow that beone food is richer than another it uld be fed altogether and the other scarded. Take the case of the potato. mical analysis will show that it is y deficient in nutriment as compared beans, but no one will dispute the ady diet to the bean. It is so easily sted and mixes so well with other ysis of its nutritive principles would one to suppose. We regard ensilage toots in stock feeding as taking the and to keep animals in perfect health | tested in the courts.

in winter quarters either one or both will be found of the greatest value. In the meantime we are pleased to see Prof. Johnson giving so much attention to ascertaining the best methods of preserving fodder by this process, and its true value as a food for stock.

## For the Michigan Farmer,

DIFFERENCE IN FARMING.

In the last week's FARMER I read with much interest the "Experience Paper" by A. C. G., and compared the points with our methods of farming in the eastern lands of Michigan, especially the heavy clays along the St. Clair River and Lake. The modes of farming advocated by A. C. G. would not furnish him taxes, say aaught of a living, on our lands. Our methods are as follows: In the spring we draw out a heavy coat of manure and plow that under on a stiff timothy sod; after that is well harrowed we mark our land every six feet in rows, and plant our corn in drills one foot apart in the row, four kernels in each hill; it is cultivated thoroughly, and kept clean. When cut is put up three rows in one row of shocks: When the field is cleared in fall, it is plowed (and our plows differ very much from the plow used by A. C. G.) in lands, three rows of stubs in a land. Our plows go eight times from the turning under of a row of stubs before we turn the next one, or a nine inch furrow, and stand it up on the edge, that it may drain quickly in the spring. During the spring frosts our clay gets crumbly, and by April 10th, generally our oat crop is sowed, (this year 18th). We sow broadcast; three bushels to the acre. Our average yield is 60 bushels to the acre. After harvesting our land is touched up, or the faulty or poor spots are manured a little, then plowed for wheat. We drill one bushel each way; after drilling we harrow three or four times, and furrow out lightly to drain surface water in the spring. When all done we sow broadcast one peck clea timothy per acre. In spring following when ground is settled, we harro lightly, roll, and we are through till har vest. Wheat averaged 18 to 22 bushel

per acre. Were we to plow with a Gale or Olive plow, turning a 15 inch furrow fla over, we never could harrow it so to sprout a crop. Also under the furror there would lie water in spring, as wel as on top during summer. Our land would bake so hard a cat could not scratc it; and in two seasons would be spoiled We sow little or no clover; raise Canad blue peas in place of oats in many in tances, as it is equal to a fallowing our clay, is less work, and the land is in better shape for wheat.

NEW HAVEN, Macomb County. The Buckeye Hay Rake.

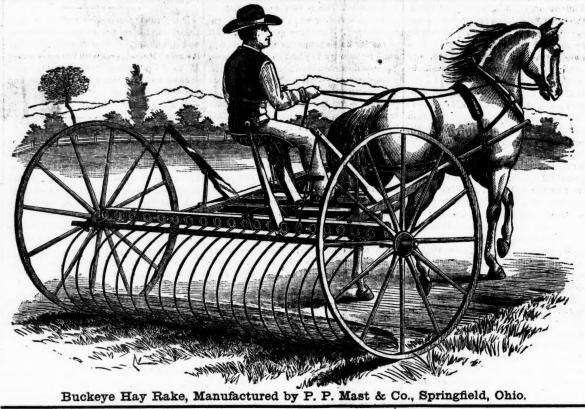
In no line of manufacturing has the brain of the inventor and the skill of the mechanic been so largely used as in the production of improved agricultural machinery. Ceaseless activity on the part of the manufacturers, backed by large capital to produce the best and most complete machinery has been the rule, and the toi the farmers has been each year lessened by the labor saving tools. Foremost in the ranks of the energetic manufacturers of farm tools is P. P. Mast & Co., of

Springfield, Ohio. The Buckeye grain drills, seeders, sow ers, cultivators, etc., made by them for nearly 30 years have a world wide reputa tion, and immense sale, and while their business is enormous they are still adding new lines of machinery to their already

large list. The Buckeye hay rakes made by this firm and which it is our pleasure to illustrate on this page are, like all their goods, first class. It has all the good points that can be had in a hay rake, and is among the finest finished rake in the market. The teeth are made long, and with a sufficient curve to carry a larger amount of hay than other rakes. There are no cog wheels or ratchets to get out of order, a thing so objectionable in many rakes. The wheels are high and the spindles are made of wrought iron. The teeth are made of the best crucible steel, oil tempered, and are adjustable.

It is practically a self-dump rake without cogs or ratchets, and when the lock is thrown off with the foot, the draft is transferred from the center to top of the axle so that the weight of the driver and the pressure of the hay will instantly dump the load. It also has an adjustable swing ing cleaner bar, and adjustable seat. We would advise our friends who intend purchasing a rake to send for P. P. Mast & Co.'s circulars and examine the Buckeye before investing.

THE Legislature of Pennsylvania has passed a bill prohibiting the manufacture and sale of oleomargarine, or bogus butthat the potato is preferable for a ter, in that State. The vote on the passage of the bill stood 151 yeas to 14 nays. The bill passediby the New York Legisla that its value is far beyond what an ture last year is similar to the Pennsyl. vania measure, but so far it has not hin dered the manufacture of bogus butter to any extent, or helped the sale of the of the potato with the human fami- genuine article. Its legality is being con-



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## MICHIGAN SHEEP SHEARINGS.

### At Hadley, Lapeer County.

The seventh annual shearing and show of the Hadley District Agricultural and Horticultural Society was held on their grounds on Friday, May 1st. A strong northeast wind made it rather cold and uncomfortable for all concerned, yet a splendid show of sheep was made by the following persons: Baldwin Brothers, of Hadley, H. S. Brigham, of Hadley; A. P. Gale, of Atlas; J. & A. Loban, of Davison; A. Snook of Hadley, M. Jones, of Hadley; Vantine & Waltersdorf, of Atlas; M. Inman, of Elba; George Goodrich, of Atlas; Connor & Fellows, of Metamora; J. T. Rich, of Elba; A. Cramton, of Elba; A. Cramton, of Metamora: D. A. Cramton, of States of three inch staple of the staple of Elmer, of Elba; R. Stewart, of Elba; Dr. Stone, of Metamora; D. A. Cramton, of Hadley; R. M. Michael, of Lapeer; J. McDougal, of Hadley, and S. D. and George Hemingway, of Hadley. Only a portion of the sheep exhibited were shorn. Rufus Ivory acted as weigher, and the record is as follows:

G. W. CRAMPTOP, Sec'y.

ar Name of Owner.	NAME OF BREEDER.	SEX.	Label Number	Age, yr	Days, Growth	Weight Carcasi	Weight	Fleece, lbs. ozs.
Dr D F Stone Dr D F Stone J McDougal R M Michael Vantine & Waltersdorf Baldwin Brothers J T Rich J T Rich J T Rich Andrew Snook Connor & Fellows A Elmer George Goodrich M Jones A P Gale A P Gale B A P Gale S D and George Hemingway	Baldwin Brothers.  B F Stone.  D F Stone.  J T Rich.  R M Michael.  Q C Rich, of Vermont.  Baldwin Brothers.  Baldwin Brothers.  Baldwin Brothers.  J T Rich.  Gonnor & Fellows.  Seth Arneld.  A P Gale.  E Shelter.  J L Buttolph, Vermont.  George Stuart.  Baldwin Brothers.  D P Dewey.	Ewe . Ram .	232 30 44 8 7 225 188 203 64 9 144  228 285 4	41881212132412248133	395 381 363 365 268 365 375 357 359 359 365 379 365 365 365 365 365 365 365 365	121 68 127 116 85 113  77 61 12 56 65 69 187 61 103 88 131 103 94 116 131	25 12 25 15 16 16 16 16 16 13 17 25 18 27 14 24 25	10 011/4 09 12 002 10 14 06 12 041/4 07 07 14 12 08 00 15 00 00 15

## At Kalamazoo

The third annual sheep-shearing of the Southwestern Michigan Association came The third annual sheep-shearing of the Southwestern Michigan Association came off in Kalamazoo last week, and was well attended. Some of the most prominent sheep breeders of that part of the State were present with animals from their flocks. The display of bucks, ewes and lambs was very fine. Among those present were President Welch, of Paw Paw; Secretary Pierson, Capt. Vosburg, H. Dale Adams, William Bair, S. B. Hammond, Bradley S. Williams, E. R. Miller, C. E. Morrison, W. G. Kirby, A. B. Judson, J. M. Neasmith, O. P. Morton, J. Dyckman, O. F. McClary, J. B. Cobb, R. Bishop and others from this county; Geo. Williams, of Mendon; E. Brackett, Jr., of Allegan; G. B. Norton, Otsego, and a number of other sheep men from adjoining counties. The number of exhibitors was smaller than usual. Secretary Pierson sends the following record of the shearing:

e il d	OWNER.	BREEDER.	SEX.	SHEEP.	SIRE.	Age, y'r	Weight of Carcass.	Days' Growth.	Length o	Weight	T TOPOS
n	S B Hammond	S B Hammond	ewe		Pioneer, 92	1	521/2	380	216	12 0	
8	S B Hammond		ewe		Resolute, 60	1	55	380	214	11 0	
-	B S Williams	T B Sanger	buck	Boney		2	82	365	2%	15 0	
f	B S Williams	Brady & Bidwell	buck.	Wooley		1 %	8414	365	216	16 0	
1	James Jackson	J T Rich	buck	Banker Jr	Banker, 92	2	1111/6	375	1%	26 0	
	R Richmond	S B Hammond	buck	Dunlap	Pioneer, 92	4	129	365	2%	28 0	
7-	J Rumble	S B Hammond	buck	Dick	Pioneer, 92	3	117	344	214	25 0	
	BS Williams	Dr Mills	buck	Little King	King of Spain	4	116	365	214	19 1	0
I	B S Williams	A G Graves	buck			1		365	214		
	W Badford and E B						1				
	Welch	E B Welch	buck		Van Buren J	2		365			
ır	James Jackson	J Jackson	ewe		Ramsey	1		865	21/4		

foot square wool box and a good fleece

## At Metamora, Lapeer Co.

The second annual shearing of the Lapeer County Sheep Breeders' and Wool Growers' Club was held in the village of Metamora on Saturday, May 9th. The shearing had been adjourned from Wednesday, May 6th, on account of the severe rainstorm on that date. The weather proved little better on Saturday; but despite the dreary outlook a good number of farmers and sheep breeeders was present. Upwards of 60 sheep were exhibited, of which 21 were shorn. The exhibit was one which the sheep-breeders of Lapeer County can justly be proud of. The record of the sheep shorn we give

	Name of Owner.	Label No.	Age, y're.	Weight of	Days, of Growth.	Length of	Weight of Fleece.
١	Rams.			-	000	011	
١	D F Stone	153	1				16 135
1	D F Stone	88	5				24 11
	D F Stone	70	4				81 00%
	H Rosman	818	8			278	29 08
-	James McGregor	614	1	94			17 08 16 04%
	W W Stickney & Sons	26		76			
1		710				22	28 1814
	A Townsend	16		84		2	18 121
Ý	Conner & Fellows	820	3			278	25 11
1	Conner & Fellows	17	1				17 141
J	D F Stone	78					28 024
1	D F Stone	77	2				28 15
	James McGregor	86	1	99	910	200	14 0954
1	Conner & Fellows	11	1		375		13 00%
	Conner & Fellows	14	1	67			16 07
	Conner & Fellows	13	1				13 18
*	Conner & Fellows	216	3			214	18 03
	D F Stone	110	1				12 0734
	D F Stone	105	1	48	862	214	11 06%
S	Wm Blow	103	6	79			15 07%
	M Michael		1	67	377	31/8	14 024

## At Clarkston, Oakland Co.

The annual shearing of the Indepen-

They were commented upon and had a good many admirers among the visitors. The stock ram, four years old, whose carcass weighed 242 lbs., was a lap full for David Miller as he sat on the floor stripping him of his fleece, and for all he had more to handle the sweat did not stand on his brow as much as on other shearers near him who were clipping over and between the wrinkles on the Merinos.

ties. Two ewes and a ram one year

old of his get were on exhibition. He

also showed a ewe two years old, bred by

Lyman Cate of Highland, and a three and

J. B. Gates & Sons brought a load con-

sisting of a ram two years old, a very

large plain sheep which cut a bulky fleece

of three inch staple of very fine delaine

wool, a ram one year old, three ewes two

years old, and two ewes one year old, all

registered, the latter bred by them and

John Lessiter of Jersey exhibited and

sheared some very fine Shropshires.

sired by A. D. Taylor 393.

The following is the record of the sheep shorn:

OWNER.	Age, years.	Label Number.	Days, Growth.	Weight of	Weight	Fleece.	Length of Staple.
Rams.				-			
Walter Knox	1	6		70	17	00	234
Walter Knox	1	12		67	15	10	214
Walter Knox	1	18		67	19	04	214
Walter Knox	1	11		71	14	06	214
M C Moon	1	30			18	10	21/4
M C Moon	1				12	06	21/4
M C Moon	5	103		117		09	214
M C Moon	2	15		113		03	2
P Voorheis, Jr	3	91	356		18	04	21/4
P Voorheis. Jr :	1	59			14	01	216
J B Gates & Sons	2	107	855	128	16	04	3
Ewes.							
P Voorheis, Jr	8	45	855		12	00	21/4
P Voorheis,Jr	4	49	356	80		13	214
P Voorheis, Jr	1	54		65		05	214
P Voorheis, Jr	1	52		54		12	216
P Voorheis.Jr	2	72	855	72		10	21/2
J B Gstes & Sons	1	128		75		00	21/2
J B Gates & Sons	2	6	355	75		06	214
J B Gates & Sons	1	82		71		14	2%
J B Gates & Sons Shropshires.	2	105	355	80	18	09	2%
J Lessiter (ram)	4			242	9	08	814
J Lessiter ewe)	2			156	10	04	514
J L ssiter (ewe)	1			109		00	51/4

## At Ionia, Ionia Co.

The number of sheep on exhibition at this shearing was 57 head. The following is a list of the breeders who had sheep at the exhibition: Hon. A. M. Willett, North Plains, six rams and nine ewes; C. in the village of Clarkston on May 1st. J. Freeman, Ionia, four rams and eight A good exhibit of sheep was made, but ewes; F. M. Dean, Pewamo, four rams not as many were sheared as would have and five ewes; Geo. Ashley, Otisco, four been had the weather been more favorrams and three ewes; Sessions & Son able. The attendence was good, as many Berlin, two rams and six ewes; L. M. Kel as fifty farmers, wool growers and others sey, Ionia, two rams and two ewes; Cook were together at one time in the after-Bros., Gratton, one ram; E. W. Howe, noon, some of them from a distance. Orleans, one ram. The record was as Genesee County was represented by three follows: visitors, who thought we had some good 

Н	-1 !- 41 ! 1 - C O 11 1 MI - C 1		29 29
ı	sheep in this part of Oakland. The fol-	Fieece	2858424885488345688
ı	lowing exhibits were made:	Weight	#1854858555740-849
	Wm. Holcomb showed Hanlon (1014);	Carcass	
	he was not shorn on account of the cold	Weight	\$584555855 \$88 \$88 \$885
'	day and his condition. Fifteen ewes and	'ardwag	CE N R NEKKE KEK R
	two rams one year old were in a pen near	Length of	04 04 04 04 04 04 04 04 04 04 04 04 04 0
,	him, of his get, which showed him to be	Age, years.	x 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	an excellent stock getter. Also four ewes		MEKAKKAMKKAMAKAKAM
	three years old, which were good ones	Days, Growth.	4844688648888448 :888
	but thin in flesh. The above are all	140	j
	thoroughbred and registered.	1	l : : : : : : : : : : : : : : : : : : :
	W. Knox showed four rams one year		\
	old, sired by Hanlon (1014), which aver-	BREEDER	a dyd a d
	aged 16 lbs. 7 ozs. of nice wool, the	. 10	Transport
	heaviest 19 lbs. 4 ozs.; also two ewes one	E E	Barren A Constitution of the Parker
	year old, two ewes two years old, and		KAND WO SON SON SON SON SON SON SON SON SON SO
1	three ewes six years old, all registered.		KAME ME HE COLOR MAN
	M. C. Moon showed the Vermont ram	-	I WW THAT A CHOND WE WANT
	A. Chapman 103, five years old, and his		
ı	two years old stock ram M. C. Moon 15,		
1	which gave the heaviest fleece taken off,	ež .	
1	26 lbs. 3 ozs. He was sired by J. H.		So :: So ::
	Thompson 108. He also had on exhibi-	0	See chi chan chan in che
	tion two ewes one year old and three ewes		William No.
	six years old.	4	MAN
	Peter Voorheis, Jr., showed his stock		ある」は4年とびであためるのか」
	Total Toolston, or, showed his stock	_	and the state of t

ram Brutus Cæsar, whose fleece filled the In answer to an inquiry the breeders present all thought the long winter had overflowing the top, of 21 inch staple. left the ewes in a condition that made a heavy loss among lambs very probable. His fleece was not heavy, as will be seen

for lambs, though both Mr. Dean and Mr. Willett stated they had been very successful so far. Of course the chief interest rain the afternoon and most of the men present had long drives to make, some of the best sheep present were not sheared, successful one, and one that should have than were present.

## Adrian and Rome Association.

The following is the second annual report of the Adrian and Rome sheep shearing and wool-growers' exhibition held at the farm of L. C. Baker, in the Township of Adrian, Lenawee Co., Michigan, May 1st, 1885.

NAME OF OWNER.	Age, yr	Weight	Weight	Fleece.
Rame.	-			
L C Baker	2	130	20	00
L C Baker		113	19	00
L C Baker		108	12	00
F I Kinney		100	19	00
F P Sheeler	1 8	121	19	04
F P Sheeler			90	06
F P Sheeler		96	26	06
E C Halsted		135	97	15
E C Halsted	2	138	21	00
Osborn & Wilson	1	80	16	00
Osborn & Wilson	3			15
W J Oaborn	1		12	06
W J Osborn	8		25	04
W J Osborn		61	10	00
N J Halsted			25	00
T S Barr			15	04
T S Burr		128	25	04
H Wood			15	12
S Older ,	6	143	10	08
B Short	1 2	101	13	00
Wes. Reynolds	1 3	111	90	00
Wm Hawley	4			00
E S Hawks	2			00
Wm Wood				OX
Ewes.			-	•
FS Kinney			14	12
Osborn & Wilson			10	00
Osborn & Wilson			12	08
Osborn & Wilson			10	00
Osborn & Wilson			14	00
W J Osborn	2		19	.04
W J Osborn	1		18	04
W J Osborn			14 16	00
W. J. Osborn	1		11	06
W J Osborn (lamb at side)	1 8		16	06
W J Osborn	2		17	12
W J Osborn	3		16	00
W J Osborn	2		17	19
W J Osborn	1 1	67	15	00
W J Osboru	1 1	57	11	11
W J Osborn	1 3	77	15	08
N J Halsted	1		14	- 06
N J Halsted	1		12	1
N J Halsted		60	13	00
H Wood	11		12	06
H Wood	11	07	12	00

## EXPERIENCE PAPER NO. 2.

The field I am plowing for corn-25 acres—lies next the road, which angles one rod in four. This makes the field after the oats were removed, and reseeded fractional and a disagreeable one to plow. It was formerly in two fields lying side by side. When seeded with clover and timothy alone, and I now make good late pasture, although grass and sorred commenced in the control of the con three years ago this spring one was in wheat and the other in oats. This arrangement brought them into the same condition following that year, and the fence became an obstruction. In all changes on a farm it takes several years it is sufficiently rooted to sustain itself. dition, so that they can be made into one. Like a game of chequers, the plot must be laid in advance, and the men moved into the proper position, before we can expect to get into the king row. This field was moved the first year

year by oats, or one half to winter rye in the corn this fall, and the other half into such soils a success. oats in the spring, both reseeded again. It may be questioned how the rye in the corn stubble (if I should thus determine) could be seeded. I should top that half Machine men with Daisy mowers and and pasture it with cattle and sheep after Dandy binders are on the alert watching the corn came off, letting them run in for the incoming of the man who is liable the field on favorable days during the winter; then go over the field when the ground is bare and frozen with a kind of mallet made of oak plank, one and a half machine is the correct one for making hay nches thick, and about seven inches square, with a handle set slanting through the grass standing, nearly the same as the center, and knock off the remaining before it was cut, and requires no stirring stalks even with the ground. Just as to cure out quickly. The team goes back early as the ground settles, I shall put on and forth on one side of the field, with the clover with a shoe drill, running the eed in the shoe, so that it shall be covered as in drilling any kind of grain. The field is intended for pasture, so that the stalks remaining on the ground will be no is begun on the side next the barn, and we incumbrance. I have a field for pasture work back until it is finished; the team this year that was treated last year precisely in this manner, and the clover shows a good carpet of green at this writing. The rye, sown in August if as a four feet with a side cut machine. I the ground should be still moist, or be sold the machine spoken of, and aftermade so by a rain, will get up so as to ward found the works had failed and make a good place to turn the lambs even before the corn is cut, and later will furnish excellent feed for the milking cows. Sheep can be turned on again very early in the spring, if for any cause it is deemed advisable, and although fed quite short until the middle of May, or a little later, will make a fair crop of rye. If a sod can be coaxed into covering a light soil, if turned under for corn, treated in this way, both sides can be fertilized very expeditiously and the land left in a promis- I wrote there for their catalogue, and ing condition for future profit.

alluded to about six inches deep. I think I if it gives good satisfaction, and shall not would as soon it would be plowed a little agree to try any other until that fails. T less, but I am plowing with a large three horse plow, and it does not do good work the hay field crying out, like the old at a less depth. I want to turn as wide a philosopher, Archimedes in the streets furrow as the plow is capable of, to facili- of Syracuse (albeit clothed in more bedence Sheep-Breeders' and Wool-Growers' by the record, on account of the absence | There has been a great fatality so far, | tate the work, but a shallow furrow, fitting apparel) "I have found it!" Association of Oakland County was held of any sweat locks on the lower extremition | Messrs. Ashley and Cook thought at least turned wide, has a tendency to drop from have found it!" A. C. G. tate the work, but a shallow furrow, fitting apparel) "I have found it!" "I

and Department of Agree

50 per cent. All thought it a bad spring the edge before reaching the farther side, and leaves the work in ridges, especially when the jointer takes its furrow from the edge, and places it in the middle. In centered in the shearing, but as it began to purchasing a plow, I would advise farmers to choose one that has a wheel whose direction can be changed on the standard. For two horses the wheel should be set but altogether the shearing was a very parallel with the beam, but with three horses the beam runs quartering to the been seen by a great many more farmers | land, and a stationary wheel will utter such cries as I cannot endure; it is forced either against the standard or the washer, and gives out a vibrating screech, that proclaims the inefficiency of either the plow-maker or the plowman. Even when the wheel is set just right, the draft on the clevis should be regulated up or down, so as not to ride the wheel too hard. I find it pays to give the hired man a few lessons in what he may consider trivial matters, and I strive to impress upon him the importance of adopting the right way, even if it takes a little time. A plow that has a tendency to lop over either way is wrong in construction or in the rigging. -very probably the latter, and the exercise of a little ingenuity will generally discover the difficulty, and set it right, while an inconsiderate plowman will jog along at the expense of muscle at both ends of the plow. I sowed clover on my wheat early in

April, and it came up quickly after the first few warm days. I sowed with the drill as before mentioned, so that it is easy to find it in the drill marks, and I have again disproved the theory that frost will kill young clover. We have had three hard frosts and one quite severe freeze since it came up, and not a single plant has disappeared, although some seeds have been later in germinating, on account of deep planting-coming in just the condition which those who maintain the frost killing fallacy will say is the critical period in its growth, when it is sure to succumb to frost. I once sowed clover in the winter. The spring came early and warm, which sprouted nearly all the seed; a sudden freeze followed, so severe that the ground was honeycombed. This killed all the clover that had come up, but it was because the heaving of the ground pulled the roots apart, and not merely because of the frost. There is always some better reason than frost when clover disappears in spring. Cut worms eat a good deal of young clover. I had a field of ten acres, last season, seeded in oats, that was destroyed outright by cutworms. I plowed the field again shallow and sorrel, coming with the seed last fall will prevent a vigorous growth this year Clover seed that is sown on the surface often sprouts through the influence of few favorable days, and is then destroyed by the change to cool dry winds, before Clover sown on the surface on sandy soil, and left uncovered, comes only by a miracle of grace in the weather. The average spring gives no promise of such a benefaction. The lumpy condition of a clayey soil is dissolved and covers the seed that has fallen in the crevices, or after seeding, pastured last year, and this later it will crack in drying and receive year goes into corn, to be followed next the seed, or allow it to be washed in by the rains; this makes surface sowing on

Meadows are looking extremely well considering the season, and the promise of a good hay crop looks cheering. to purchase. I have used for two sea sons a direct draft, six foot cut machine made at St. Paul. The principle of this expeditiously and perfectly. It leaves one horse in the grass, and the horse rake follows in the same order, raking that which was first cut, and leaving that which was last cut to the last. The field can haul hay direct from any part of the field, there is no going around out of the way. The six feet swath is cut as easily their manufacture abandoned, so that I could not replace it with another. Any farmer who has used one of these machines is spoiled for a trial with a side cut, and so I have been casting about, (not very publicly I confess for fear of the ubiquitous agent) for something to take its place. I saw in some of my agricultural papers that the Eureka Company had established works at Utica, N. Y. This I knew was the father of my friend, and I now publicly announce to all agents I am plowing for corn in the field that I have decided to purchase a Eureka expect next June to be running around in

nds
Terms
ars time
scription
rom our
send you

cres Land Clay loam or grass. sers. Call ARD, , Mich.

Cheap.

For the Michigan Farmer HAMBLETONIAN SIRES.

BY F. A. B.

The American trotter and roadster an evolution of the present century. mile in three minutes was first trotted in 1818. A record equal to 2:30 was not made until 1843, and 2:20 was not reached until 1859, 2:14 in 1874, and 2:091 in 1884. Nearly all of the great trotters trace their origin to Imp. Messenger and to him more than any other horse are the great trot. ting families indebted for their speed. The Hambletonian family is the greatest and it is in connection with the sires of that family and the crosses with which they have been successful that the writer desires to call attention to some of the more important facts concerning the sources of

As preliminary to the discussion we present the following tables, showing what Hambletonian sires have accomplished. These tables are substantially, if not entirely, accurate.

Sons of Rysdyk's Hambletonian wh have sired two or more 2:30 trotters:

Alexander's Abdallah	5 Knickerbocker
Aberdeen	10 Macedonian
Administrator	8 Masterlode
Arthurton	2 Menelaus
Billy Denton	2 Messenger Duroc
Cayler	w   x g c 2 2 2 2 - 4 - mm
Dictator	8 Milwaukee
Echo	4 New York
Edward Everett	71 Orange County
Riectioneer	10 Peacemaker
Florida	2 Regulus
George Wilkes	84 Robert Bonner
Gen. Stanton	2 Ryadyk
	2 Sampson
Gideon	
Hamb'tonian (Curtis)	4 Seneca Chief
do (Felter's)	2 Sentinel
do (Strader's)	2 Speculation
Hambleto tan Prince	6 Startle
Happy Medium	19 Stephen A Douglas
Harold	8 Strathmore
Hotspur	2 Sweepstakes
Independent	2 Volunteer
Iron Duke	3 Walki l Chief
Jay Gould	5
mm 1	b sined one o

Thirty-seven others have sired one each making a total of eighty-four sons with three hundred and seven trotters in 2:30 or better to their credit

Of the sons of Rysdyk's Hambletonian who have sired 2:30 trotters, the follow-

ing have sired sons who have also sing 2:30 trotters:	
ABDALLAH (ALEXANDER'S).	
Abdallah Messenger. 1 Ham'letonian (Wood) Abdallah Pilot. 1 Jim Monroe. Almont. 24 Major Edsall. Belsora. 1 Shelby Chief. Belmont. 10 Thorndale.	
ABERDEEN.	
Elial G 1 John Green	
ADMINISTRATOR.	
Enchanter	
BILLY DENTON.	
Captain	
CUYLER.	
Cuyler Clay	
BOWARD EVERETT.	
Alpine 1 Hambrino	
GEORGE WILKES.	
King Wilkes 1 Young Wilkes Red Wilkes 1 Young Jim	
GIDEON.	
Gray Dan 1 Pequawket	
HAROLD.	
Hambletonian (McCurdy's)	
HAPPY MEDIUM.	
Happy Medium, Jr., 1 Dixon	
Gol. Bonner 1 Robert R. Morris	
Got. Bonner I Robert K. Morris	
JAY GOULD.	
Inheritor 1 King Philip	
IRON DUKE	
Warwick Boy	
GAGE'S LOGAN.	
Tramp 3 Ham'ton'n (Skinkle's	
MESSENGER DUROC.	
Glenair 1 Jo Gavin	
MIDDLETOWN.	
Bay M ddleton 3 Orange Blossom  Hambletonian Chief. 1	
ROBERT BOWNER	
Ham'l'tonian(Power) 1 Satellite	
SWEEPSTAKES.	
Bonnie Bay	
STEPHEN A. DOUGLAS.	
Bajardovoluntuen.	
Abdellah/G'ldamith's 4 Ham'letonian(Glenn)	

Louis Napoleon .. Signal
Landmark
Wayne Volunteer
Young Volunteer WALKILL CHIEF.

Total sons 21; total grandsons 69; with 132 trotters in 2:30 or better to their credit. Hambletonian who have sired 2:30 trotters the following have sired sons who have

and rough it such	
also sired 2:30 trott	ers.
ABDAL	LAW PILOT.
MessengerChief	
AT	MONT.
Allie West	3 Almont, Jr (Hamlin) 1 Col. West 2 Trouble
BE	LMONT.
Egmont	1 Nutwood 1 Wedgewood
HAMBLETO	NIAN (WOOD'S).
Johnny B	1 Nonpareil
WAIO	R EDSALL.
Robert McGregor	
THO	REDALE.
Hero of Thorndale	
ENC	HANTER.
Rusign	
Nephew	
7	RAMP.
ADDALLAH	(GOLDSMITH'S).
Abdallah Boy	1 Alexander
BAT	ELLITE.
Golden Bow	1 Rescue
	AMLET.
Highland Roy	1/Ryland

Total grandsons, 12; total great grandsons, 24; with 33 trotters in 2:30 or better.

These tables do not include the pacers but are intended to show the Hambleton ian sires, in successive generations, of 2:30 trotters. Guy Miller was a son of Rysdyk's Hambletonian who died young and got no 2:30 trotters, but he was the sire of Whipple's Hambletonian who produced ten 2:30 trotters, and there may be one or two others where there is a similar break in the succession.

(To be continued.)

Horse Gossip.

THE Hamtramck Park course, near this city, is being put in fine shape for the Asso-

A sale of 35 horses at auction took place

W. D. CLOWE, Walla Walla, Wyom Territory, lost on April 6th from glanders the bay stallion Milton Medium, record 2:351/4, by Happy Medium, dam by Hackett's Mam-OLD TURK, a famous horse who is said to

have spent forty years of his life working or oldest horse in America. THE Coney Island Jockey Club of New York, has decided not to have any races this seaso on account of the State law prohibiting pool

selling. It is said the American Jockey Club will either break up or purchase land and build a track in New Jersey. A NUMBER of horses in this city are sup most numerous of all the Messengers and posed to be suffering from glanders, and the spreading the disease. Any epizootic or con-

using those fountains, and we would cautio

armers against using them while in the city.

AT the Chester meeting in England las week, the race for the great Cheshire handicap stakes was won by the Duke of Westster's six year old chestnut horse Whipper In; Mr. R. Vyner's three year old chestnu filly Stone Clink, came in second, and Mr. J. Dover's three year old Warspite third. There vere seven starters.

At the May meeting at Kempton Park, the Kempton Grand Prize of one thousand sovereigns for three year olds was won by Mr. W. Q. East's chestnut colt Necromancer. Mr. R. Vyner's chestnut colt Esterling eame in second and Mr. J. H. Houldsworth's bay filly Golden Light third. There were 12 starters.

EAST SAGINAW and Grand Rapids hold meetings on the same date, and the two clubs are just laying themselves out in an attempt to get ahead of the other. It makes a good thing for owners of trotters, and will probably result in a good meeting at both places. Nothing like strong opposition for developing anyhing, whether it is a man or a horse race.

THE stewards of the Central Michigan Trot ting, Pacing and Running Circuit met at Battle Creek recently, and arranged dates as follows: Battle Creek, July 28, 29, 30, 31; Jackson, August 4, 5, 6, 7; Ypsilanti, August 11, 12, 13, 14; Flint, August 18, 19, 20, 21; East Saginaw, August 25, 26, 27, 28. Purses aggregating \$15,000 will be given. Chas. F. Fletcher is the Secretary of the circuit.

THERE was foaled upon P. V. M. Botsford's farm in Bennington, Shiawassee County, Mich., on May 9th, a bay stallion colt, no white, got by Pasacas, a son of Almont; dam by Duke of Crawford, he by Satelite, by Robert Bonner. by Rysdyk's Hambletonian; second dam by Champion, he by Grinnell's Champion, he by Almac, tracing to imp. Messenger; third dam by Long Island Black Hawk, he by Andrew Jackson, he by Young Bashaw, son of imported Grand Bashaw; fourth dam an imported thoroughbred Messenger mare. This colt is finely bred, and is said to be of fine form.

As will be seen by an advertisement on another page, the Central Michigan Agricultural Society have prepared a speed programme in connection with their annual spring fair at Lansing. The dates selected are June 9, 10, 11 and 12, and entries close on Saturday, June 6th. The classes comprise a three year old or under, with a purse of \$150; 2:45 class, with \$200: four year old or over class, with \$150: 2:27 class, with \$350; running half mile with \$150; 2:35 class, with \$300; a double team class, either trotters or pacers, but both of one gait, with \$200; running mile, best two in three, with \$300; 3:00 class, with \$200; 2:25 three, with \$300; 3:00 class, with \$200; 2:25 pacers, with \$300; and a free-for-all trotters class with a purse of \$400. The Secretary is Ben. B. Baker, Lansing, Mich., who will read the same and suckers to my cattle and they are them greedly. ceive entries and furnish all information

THE Louisville Jockey Club's spring meeting enedon Thursday last with beautiful weather and a large attendance. As the Kentucks Derby was ran on that day the excitement was great, and fully 30,000 people were present After two races had been run the event of th day, the Kentucky Derby, came next. The starters were Joe Cotton, Bierson, Favor, Irish Pat, Tenbooker, Thistle, Clay Pole, Keokuk Playfair and Lord Coleridge. Joe Cotton was the favorite. Pool-selling on the race was very heavy. A good start was had, Favor tak ing the lead and setting the pace, closely followed by Keokuk, Bierson, Tenbooker and the others, Cotton bringing up in the rear. Of the foregoing grandsons of Rysdyk's The horses were all well bunched when they passed the grand stand and the mile finis From that on was one of the prettiest race over seen over that course. Favor ran out at the three-quarter pole, and Bierson went in to win, but could not. Joe Cotton ran easily till near the finish and passed Bierson without much urging, and won the race by half a length, Bierson second, Tenbooker third, Favor fourth, the others bunched close in behind. Time, 2:371/2. The crowd went wild at the finish, and never was such pushing, rushing or shouting heard or seen. It was a great race, the time being second only to that of Pat Malloy, in the Derby of 1879, when it was made



SORGHUM IN MICHIGAN.

SALINE, May 5, 1885

To the Editor of the Michigan Farmer. Through a notice in the FARMER I sent to the Agricultural College for some seed of the Early Amber Cane, and planted thirty rods with it. The seed did not all grow; about one quarter of the hills were missing. The soil was loose sand.
used about six loads of manure, cultivat d, hoed and kept clean. From this I had thirty-one gallons of syrup. It ripened well and I have some nice seed. Prof. Kedzie wished to know the results of my experience with it and so I send you this.

Mr. Isbell sent a sample of this syrup, and it is a very fair sample of Amber cane syrup. The flavor was very much like that of a good quality of New Orleans molasses, and with a little care in refining

Respectfully yours, N. H. ISBELL.

ould be made a very nice article. The low price of sugar the past two or three years has turned people's attention away from the question of growing Amber cane as a source of sugar-making. That it can be successfully done ex-A sale of 35 horses at auction took place on the track at Gleaville, O., on Thursday last. Ina G. brought \$1,623, the top price of the sale.

on Saturday last. The entries have not yet been | lecture said the average yield of sorghum | dried at a high temperature, which go to sugar and syrup is wonderful when we conpast three years, over one million pounds a Richmond County farm, died lately in his have been made, and many thousands of 50th year. He is supposed to have been the gallous of syrup. The product there had steadily increased, and in 1884, 375,000 pounds of sugar had been made, and 87,- the customary manner. 000 gallons of syrup. He said there is as much sugar in the stalks of sorghum as in the best ribbon cane, and the only reason why we are not now making our own the remarkable "inwardness" of some sugar, is that these facts are still unknown to the mass of the people and capitalists have not as yet turned their attention that way. He says the cost of manufacture public drinking fountains are credited with with a mill that works 300 tons per day, is about one cent per pound, and worktagious disease can be spread very rapidly by ing 500 tons of cane it is only 89 cents, and the cost, per gallon, of syrup ranges from 11 to 71 cents. He thinks it may be fairly claimed for sorghum that it is a plant as valuable in its grain as corn, and as rich in saccharine matter in its stalks as

the sugar cane of the South. Dr. Collier, of course, takes a very sanguine view of the future of this industry, and while we cannot believe that sorghum will ever rank with corn as a fodder crop, there seems to be some ground for his pre

In this State Prof. R. C. Kedzie of the Agricultural College, has taken a deep by parental wisdom it appears, had plantinterest in the suject of growing Early ed his hills several feet long, and although crop. Two years ago he pointed out the so favorable as the others, it exceeded all utilizing the light sandy soils of some portions of our State, as it will grow well on soils too light to produce a paying crop of corn, while the sugar and syrup coming from such soils, although less in quantity, are of a superior quality to that made from cane grown upon richer and more productive land. He has recently issued a pamphlet giving the experience of a number of farmers in different parts of the State who have tested it the past year as a forage crop. The experience has been varied, and the opinions of those who grew it seems to be as varied as their soils. In many respects, however, such as its ability to stand drouth, the great liking for it evinced by stock of all kinds leads to the belief that it can be made a valuable substi tute for the corn crop upon soils too light to grow the latter. We copy a few of the reports made to the Professor, selecting one from each county. The crops grown were from seed sent out to them under

GENESEE COUNTY.

the direction of the State Board of Agri-

culture:

Тивтрово, Feb. 11, 1885. THETFORD, Feb. 11, 1885.

I planted the seed on sandy soil—no manure
The dry weather did considerable damage, but
the cane did very well; about 15 tons per acre.
To compare it with Indian corn, it has
greater value for fodder; cattle, horses and
hogs relish it and thrive faster than on corn
fodder.

I made 17 gallons of syrup—very nice.

JOS. CUMMINGS. HYLLSDALE COUNTY.

HILLSDALE, Dec. 15, 1884.

The soil was a light, sandy knoll, and the poorest spot on my farm. In 1883, corn grown on the same spot, with thorough cultivation, did not exceed three feet in height. I planted May 15, first soaking the seed to insure more rapid germination. It came up well and had a fair stand, although the worms hurt it some. I cultivated it the same as corn in every respect except to cut off the suckers in August After cultivating the first time I put on each hill a handful of air-slacked lime and leached sabes, equal parts. The came averaged six to HILLSDALE, Dec. 15, 1884.

and they are them greedily. Saved the seed for my poultry which they eat as readily as corn and seem to thrive on it. For a fodder crop I am convinced of its superior value over corn or millet when grown on poor soil and especially in a dry season, as the extreme drought of last summer did not seem to hurt it in the least, while corn was severely injured in this locality.

IONIA COUNTY. IONIA, Dec. 15, 1884. Soil, rich loam, heavily manured from the pig pen. The yield was very large. It seemed to sucker from the ground like red blaze corn, ut outyielding any corn I ever saw. Value for fodder—I think it splendid. Stock

value for louder—I think it splicture. Since a seemed to relish it better than hay; think one ound of cane worth three of common corntalks. It is capable of standing a longer lrought than oorn. F. C. MILLER.

KENT COUNTY.

ADA, Dec. 28, 1884. I planted three plots of cane: One on very light, poor sand, with no results. Another on light sand, new ground; came up slow but made good growth and ripened seed late in the season. No. 3 planted on heavy sand loam, with one kernel of corn in alternate hills as a guide to cultivate by, as the corn could be seen long before the cane.

guide to cultivate by, as the corn could be seen long before the cane.

The weather was very wet and cold the first of the season, and the cane made slow growth until August and then grew rapidly, 10 or 12 feet high, with almost four times the heft of the corn on the same ground. I made no test of its value. Horses, cattle, and hogs eat it with relish when green, and cattle and hogs eat the stalks well all through December, and theirs on it. On poor sand I think it of no value; on good sandy land it will double that of corn for fed-

WM. WATT. LENAWER COUNTY. LENAWER JUNCTION, Dec. 17, 1884.

I planted a package of sorghum seed which ou sent my father, and will now report re-Planted May 27 on a clover and timothy sod. Planted May 27 on a clover and timothy sod, the soil a strong, sandy loam; no manure. Not more than half the seed grew, but what did grow gave a very heavy growth; much more than Indian corn planted by the side of it on exactly the same kind of soil and treated the same way. White grubs worked in the corn all summer, but not in the sorghum. Did not use it for fodder. It stands dry weather better than corn. I made 27 gallons of very fine syrup. It is my opinion that not overly strong soils are preferable for sorghum for syrup.

F. E. ODELL.

MACOMB COUNTY. UTICA, Dec. 29, 1884. Soil sandy loam; manure was four or five loads of horse manure to the acre. Planted about middle of May.

The weight of the fresh stalks compared with corn from the same surface far exceeds

the corn.

The value of the fodder is nearly double that of corn fodder. Stock prefer it to corn. My borses did better on it than on the beat hay or corn fodder, and put on fiesh very fast. As to the estimate of acreage value as a fodder crop when grown on light sandy solls, as compared with corn or millet, it is nearly double. I cut mine twice last year. I think if the soil was made quite rich, it would yield the second crop equal to the best of corn. It will stand dry weather better than corn with the same cultivation.

I think I shall put in four or five acres the ding season for fodder.
J. P. PENNOYER.

Kiln Dried Corn.

seed per acre, in 21 different States, is 30 show that the seed so dried will not only bushels, and that it is as valuable as corn for germinate at a much lower temperature stock feeding; that the success attending than will seed that has been kept in the the raising of sorghum and making the ordinary way, but that it will also resist a much higher temperature without lossider that it is only about four years since ing its power of germination. The many doubted its adaptation to making doctor therefore recommends that seedssugars. At Rio Grande, N. J., in the men should take pains to kiln dry the corn they offer for sale. Corn preserved in this manner would doubtless resist better the vicissitudes which accompany early planting, than would seed saved in How Much to a Hill?

The Husbandman throws some light or wonderful yields as follows:

"Somebody in the boundless west re ports raising thirty-three pounds of potatoes from one hill, a little over a half a bushel, which, at the ordinary rate of planting, would make, say 3,000 bushels to the acre. This is very encouraging to potato raisers now while the price is going upward. When they get into the habit of raising half a bushel to the hill it will not be necessary to plant so many acres. There is, however, one uncertain element in he statement; - What is a hill? Some years ago an agricultural society offered a list of premiums for the largest corn product from a stipulated number of hills raise by boys, who were to submit the stalks and ears to examination by a committee charged, also, with the duty of husking and weighing. One of the boys, inspired troubled by the question-What constitutes a hill of corn? The same query arises now about the western hill of potatoes, from which half a bushel of potatoes was dug."

Another Great Butter Yield.

The reports of big butter yields are really becoming monotonous. Mrs. Shoemaker of Maryland, has just had a test made of another of her wonderful butter producing cows, and the American Farmer gives the details furnished by Mr. Andrew Banks, who conducted the trial officially, for the American Jersey Cattle Club. The cow is Oxford Kate 13646, and her milk yield in seven days, ending April 8th, at 4 P. M., was 2481 pounds, which produced 38 pounds and 2 ounces of unsalted butter, which, when salted at the rate of one ounce to the pound, weighed 39 pounds and 12 ounces, ready for the market. She was milked regularly at four o'clock, twice a day, and averaged 351 pounds per day. But her milk and butter yield was scarcely less astonishing than her appetite, for she required, in addition to a plentiful supply of good clover hay, beets and carrots, a daily ration of over a bushel of rich grain, viz: Four quarts wheat bran, three quarts linseed oil cake meal, 16 quarts ground oats, and 12 quarts pea meal, one of the richest cow foods, and largely used by dairymen who desire to get a big record for their cows. Oxford Kate is a little past six years old. How many tests of this kind she can bear without break ing down & losing her life, is of course a a problem.

Agricultural Items.

H. B. GARTNER, of De Kalb, Ind., has found that one hundred pounds of skim milk will produce six and a quarter pounds increase in the weight of small hogs.

F. D. Curtis, of New York, winters his young pigs on a dry ground floor, with little acquired by the persistent and judicious use straw, not enough for them to burrow in, and of Dr. Harter's Iron Tonic. claims exemption from extremes of heat and cold and stiffness caused by being on a hard plank floor. The pen is sheltered from winds and exposed to sunshine.

A CORRESPONDENT of the Prairie Farmer says he never plants pumpkins with corn, as he finds it pays much better to plant each separately in fine rich soil. The corn is free from "entangling alliances," and the pumpkins flourished wonderfully. He claims to get more corn and pumpkins from an equal area than can be grown when they are planted to-

A CORRESPONDENT of the N. Y. Tribune says: "On Saturday night a neighbor found a horse in a cistern, having broken through the plank with which it was covered. As the cistern was large enough so the horse could stand up and turn easily, and there was but a foot of water in it, and it was too late to get the horse up that night, we pumped out the water, put do a feed-box and dry straw for a bed, and left the animal perfectly comfortable till Monday, when the owner proposed to go for a windlass to lift it out. I suggested that damp straw thrown under, and the horse kept moving, would soon build it up so it could get out; and in twenty minutes from the time the first forkful was put in the horse was safe on terra firma. The cistern has since been arched with brick."

THE American Dairyman counsels: "In the rush of spring planting do not forget to set apart a piece of your richest land to plant me corn fodder in to help out the green pasture in dry, hot weather. Hillside pastur s are sure to fail in such times, and flat lands are certain to become over-crowded with stock. To help these out plant corn in lots close by the pasture so that it can be carried by hand and thrown over the fence to save hauling. Plant early and often, so that there may be well matured stalks when dry weather or feeding time comes on. Very green fodder is of little or no use, if not absolutely detrimental as a feed. There is no danger of planting too much of such fodder, for what is left makes the bes possible feed, not excepting the best early cu

Ir is said that part at least of the secret of the truly remarkable butter yields made by certain cows, lies in the use of pea-meal as ation. It is said that this meal, which is con paratively unknown as a butter producing feed in this section, forms the basis of the rations which are fed to the cows producin those phenomenal yields of butter, which certainly test our credulity strongly, ever though they are signed and sealed as official The National Live Stock Journal tells how the peas are gr wn. They are sowed with oats, the latter holding them up and enabling them to be cut by a reaper. Regulate the time of cutting by the condition of the peas. Do not Ina G. brought \$1,63), the top price of the sale.

Kiln Dried Corn.

Kiln Dried Corn.

Kiln Dried Corn.

In a recent bulletin of the New York feed for stock, it certainly should be remunerative when sugar is selling at normal values. Dr. Collier, late chemist of the Department of Agriculture, in a recent with seed corn thoroughly and slowly with seed corn thoroughly and slowly refuse nearly as nutritious as hay.

# Che Poultry Pard.

WHEN cleaning the perches in the poultry-house it is necessary to apply the mixture of kerosene oil and grease to the under side as well as to the top. This is often neglected and the lice gather there

A PENNSYLVANIA man writes the Massa chusetts Ploughman that he fed his hens cheese which had become strong and hence was sold for a fraction of a cent per pound. He found it greatly stimulated the egg production.

An excellent method of feeding charcoal s to parch corn until it is burned. A few grains to each fewl three or four times a week will brighten up their combs and wattles, prevent food from souring in the crop and keep the digestive organs regular.

Dr. FARRELL has been trying an incubator, and the results were so satisfactory and complete that he will not have to try it again. He baited it with 200 eggs worth \$2 to \$3 per dozen and caught 200 eggs, cooked and all ready for the table, and the price of that incubator was only \$50. -Fruit Grovers' Journal.

THE Poultry World says that for chick-Amber cane both as a sugar and a forage his crop was raised under conditions not era, some recommend taking one gallon important part it could be made to play in in amount. The committee was then after dark, when the chickens have gone twice during the week.

Animal matter, in the shape of meat -Poultry World.

A. B. ALLEN says in the N. Y. Tribune: have found crossed Brahma and Dorking fowls a most excellent sort to raise. Full grown, they are about the size of the Brahma, and quite superior in flesh, although not equal to the pure Dorking, which in this respect excels all others, save the game fowl. This cross breed has few of the leg-feathers of the Brahma, and not often the fifth toe of the Dorking -both of which are objectionable. They are hardy, quiet, and fair layers. The chickens grow rapidly and make good broilers at three months age, and if well pushed still earlier. It is probably one of the most profitable kinds the farmer can keep, and this cross is largely cultivated now in Eagland and highly esteemed.

Vitality of Great Men many instances are known where it has been

NEW ADVERTISEMENTS.



ap28-4t

I have some fine specimens of this breed from which I will sel settings of 13 eggs for \$150 Here is a record of my fowls the past winter Thirty hens, in December, gave me 242 eggs; January 361 eggs; February, 372 eggs; March, 33 eggs; atotal of 109 dozen. Address

DIMON CREEPERS. In this new breed of fowls are combined mor desirable qualities than in any other variety ex tant. They are the "Ne plus ultra" of all do mestic fowls. Eggs can be obtained from the originator for \$3 per sitting. Orders received now and booked as received. All inquiries will be promptly answered Address

MILFORD FANCIERS reed high-class Light Brahmas, White Cochins, angshans, Plymouth Rocks, Brown and White Leghorns; also Pekin Ducks. Eggs for hatching it 50 per sitting of 13. Order soon; satisfaction uaranteed. Address N. A. CLAPP, Milford, Mich.

PEKIN DUCKS.

were introduced from Pekin, China, and are the largest known breed of ducks; are very hardy and prolific of feathers, not inclined to ramble, and great egg producers; will weigh at maturity 20 pounds per pair; their plumage is of a beautiful rich, creamy wnite. I have the largest and best strain in Michigan. Eggs, \$1 50 per setting.

Brown Leghorns are a medium sized fowl of very beautiful appearance; the young pullets commence laying when only three or four months old. They are very hardy and are unquestionably the greatest egg producers of any known breed, and for this reason alone are the most profitable fowl to raise. Eggs \$1 per sitting of 13.

DELOS STAPLES, ar-5t.

West Sebewa, Ionia Co., Mich.

For varieties see the Breeder, Directory in this paper. Send for Circular describing matings. Guaranteed to be as represented. Eggs \$2 for 13, \$3 for 26; Brouze Turkeys \$3 for 12, \$5 for 24; Tulouse Geese forty cents each. Mam moth Bronze Turkeys a specialty. Address

EGGS FOR HATCHING.

Pure-bred Brown Leghorns, Plymouth Rocks and Light Brahma eggs at \$1 25 per setting, three settings \$3. T. I. SUTTON, Sutton P. O.. a14-5t;m12-owtf Lenawee Co, Mich

en cholera there is nothing better than carbolic acid, one dram mixed with two gallons of water. Let the fowls have free access to it as a drink and mix it with their food once a day. To prevent cholof tar, resin and crude turpentine, and to roost, smoke them, making a dense smoke, so that it will burn during the night. Repeat this operation once or

scraps or bone chopped up, may be fed to poultry at any season judiciously to very good advantage. There should, however, be no excess of this food. Bone meal is very good mixed in small quantities with POWELL BROS. soft food for young chickens. The coarse description of the springboro, Crawford Co., Penn. offal of the slaughter house, plucks, harslets, etc., should be cooked and minced in small particles when fed. A little of this hearty food goes a great way, and an over-supply is not conducive to health. Raw meat is too crude and gross for fowls. Fowls like newly-cut grass. They should have all they want of it. The clippings from a lawn-mower are just the thing for them. Sunflower seed, which can be easily grown without trouble, forms a food of which fowls are extremely fond.



Proprietor of the Utica Poultr Yards, Utica, Mic Eggs for hatch ptive circular and price list.

## WYANDOTTES.

C. C. NELSON, CASSOPOLIS, MICH. a14-5t

e promptly answered Address
ny20 JOHN DIMON, Walkerville, Ont

EGGS FOR HATCHING. Pure bred Light Brahmas, Plymouth Rocks, Langshans and Brown Legborns; Rouen and Pe-kin Ducks \$2 for 13, \$3 for 26; Bronze Turkeys \$3 for 12, \$5 for 24; Toulouse Geese eggs 40 cts. each. Bronze turkeys and Light Brahmas a specialty. Send for circulars describing matings and breeding yards. Address mr24 8t LOUIS MEYER, Brighton, Mich.

## EGGS FOR HATCHING

r17-8t W. W. McDOWELL, Howell, Mich.

50CARDS allporfumed, Now designs, little beaution, Gd
Chromo, Verses, Mottoes and Hidden Nam
with an elegantyrice, 10c. Ivory Card Co., Clinton villa.

NEW ADVERTISEMENTS.

1885.

1885. **OWOSSO** BREEDING STABLES

LOUIS NAPOLEON 207. re of Jerome Eddy, 2:16%; Spinella, 2:26% Myrtie, 2:37%; Lonis R., 2:29%, and ten others with trials in 2:21 to 2:38. Season, \$100. CEORCE MILO 1313, Brother of Jerome Eddy. Season, \$50 00. **FUROR 3026,** By King Rene; dam by George Wilkes. Season \$50.00.

JO CAVIN 564. Sire of Cora Bell, 2:2914. Season, \$25. To ins \$35 00.

BONNIE WILKES 3261. By Bourbon Wilkes; dam by Alexander's Ab dallah. Season, \$25. To insure, \$35. Send for our Catalogue. DEWEY & STEWART, Owosso, Mich.

THE MOST EXTENSIVE PURE BREDILIVE TOCK ESTABLISHMENT IN THE WORLD "



desdale Horses, Percheron-Norms Jorses, English Draft Horses, Trot-ting-Bred Hoadsters, Imported French Coachers, Cleveland Bays and Shetland Ponies. Holstein & Devon Cattle.

No further evidence is needed of the UNUSUAL CABE with which our stock has been selected than the fact that HUNDREDS of animals imported and sold by us during a career of ten years. every one we believe, including all kinds and all breeds, is now alive and doing well, with the exception of only five. We feel safe in saying that no other establishment in America can approach such a showing for the length of time and the large number of animals.

No careful and judicious person will fail to well consider this important fact in making his parchases. We invite critical inspection of our stock and careful comparison with that of any other establishment.

ther establishment.

PRICES LOW! TERMS EASY! Visitors well
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nporters and breeders of Percheron Horses ave on hand a choice lot of stallions and mare four own selection in France. Also a choice lot for four own selection in France. Also a choice lot f grade stallions and mares. Imported stoclegistered in Stud Book of France. Parties in rant of horses combining both individual merind choice breeding should call and see our lock. Prices low; terms easy; particulars on ap lication. Address as above.

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ONLY TWICE
the Great Herds of the Rival Breeds of
aft Horses met in competition:
First, at CHIOAGO IN 1881, where
the finest collections of the British and Frenches \$1,000 PRIZE. I. W. Dunham's Herd of Percherons. WORLD'S FAIL

New Orleans, 1884-8, the four of the Best Herds in America of the reeds were entered for the \$500 SWEEPSTAKES HERD PRIZE. goin M.W. Dunham's Oaklaws Stud of Perel were victorious. Hore, also, Mr. Dunham wieled the First Price in Every Stallions 4 years old at 229 intries—Brillians, first; Stallions 3 years old at 229 intries—Brillians, first; Stallions 2 years old—1 s. Cesan, first; First for bost Grade Stallio M. W. DUNHAM, WAYNE, DU PAGE Co., ILLINOIS,

now has the following Pedigreed Stock on Hand:
150 Imported Brood Mares,
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Six Pictures of Prize Horses drawn from life by Resa
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Two beautiful stallions, imported Nomed and Bob. Nagle in service. Good pasture at 50 cents per week. TREMONT 1565.

Sired by Belmont, sire of Nutwood (record 2:18)4 Ridgewood (record 3:19): dam, Virginia by Alex ander's Abdallah, sire of Goldsmith Maid (record 2:14). For terms and catalogue address W. A. GIBSON, Jackson, Mich,

Record, 2:28 1-2.

TWO CLYDESDALE STALLIONS

FOR SALE. Three years old in May. One a beautiful bay, he other a dappled brown. Also twelve y arling llydesdale stallions and fillies. All of these horses till be sold on reasonable terms. For particu will be sold on reasonable terms. For CHAS. F. MOORE

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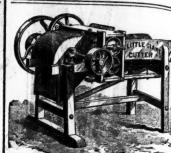
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Romeo, Mich THE PLUMB STEAM TILE DITCHER n 10 to 25 rods per hour, 10 inches wid p. Works well in all soils, and grade m PERFESTLY. For circulars address THE PLUMB DITCHER WORKS, Streator, Ill. a7eow4t

EGGS TOTAL POLICE OF THE PARTY OF THE PARTY

mr24.18t OUR ILLUSTRATED JOURNAL—A full and complete history of the Polana China hog eent free on application. Stock of all ages and conditions for sale. Address J. & C. STRAWN NEW ADVERTISEMENTS.



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pic and steel wire defy all competition in loss, nearness, strength, and durability, make the best cheapest, and easiest wo all-iron automatic or self-opening a and the neatest cheap iron fences made. The Bost folding poultry can late and useful invention. The best V Stretcher, Cutting Pilers, and Post gers. We also manufacture Russell's eitert Wind Engines for pumping, and e Engines for grinding, etc. Forprices and patis at Hardware Dealers, or address, mentoing pager. SEDGWICK BROS., Richmond, I **Entirely New Idea** 'I imagine when you see the June No

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TRY IT! WILL USE NO OTHER

TTS LEADING MERITS ARE

That it will not scratch your ground. Needs no justment, but will rake clean on all surfaces, not scatter at the ends. Will form a windre heavy or green grass. Is easily held down whit work, it has the simplest, most durable, as as convenient dumping device of any rake in the

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ALL RIGH

HAY CUTTER
The best in the wol

HAY CARRIER

MACHINERY

Fruit Evaporators

GRAIN DRILL

below in full-not garbled: Evart H. Scott.

desire to ask you if you mean to insinuat ruff Red grape, and to further say if there is not a proper retraction of your base in sinuations against me as contained in that item in Michigan Farmer headed "Oh, Mr. Purdy!" you will hear from me again. I'll prove by your own letter to me that you had sold stock to others and tha you had no knowledge as to whether I had ought or exchanged for plants of the Woodruff Red with such parties. I regis

me and my character. Respectfully.
A. M. PURDY. Mr. Purdy, I have proof that you had procured no vines of "Woodruff Red nor even one bud at the time your cata logue was printed. Deny that if you dare As regards insinuations; if the coat fit put it on; you undoubtedly know wher the shoe pinches. I have received letter from many horticulturists in regard to my card in Michigan FARMER of April 28th, and not one condemning it. A prom inent horticulturist from New York State on seeing the article, says: "Do not hur poor Purdy, he hurts himself ba enough." I do not mean to hurt Mr Purdy. He is a secondary consideration I want to be sure that persons buying th

EVART H. SCOTT. WHAT WE KNOW. ABOUT THE WOODRUFF RED GRAPE.

As this grape has been made prominen

in the controversy that has arisen between

some of our readers and Mr. A. M. Purdy

Korticultural,

IN REPLY TO MR. PURDY.

May 19, 188

BLE FRUIT FARM, ANN ARBOR, May 14, 1885. the Editor of the Michigan Farmer. I have just been reading Mr. Purdy Juston in your issue of the 12th inst. also quotes what he says is an exact 1. I quote his version, and following

ve the letter as written by me: A. M. Purdy, Palmyra, N. Y.

"DRAR SIR:—It you wish vines of the foodruff Red, we will give you 25 per toff from 100 rates, without regard to antity. This we have not done to other servmen, but held them to 20 per cent uantity. This was theid them to 20 per centurserymen, but held them to 20 per centurserymen, but held that at list rates.

Very truly,
E. H. SCOTT.".

ANN ARBOR, March 16, 1885.

"A. M. Purdy, Palmyra, N. Y.

"DEAR SIR.—Your postal card at hand.
I have just sent the last electros I have made to D. W. Beadle to put in Canadian and Samuel Harry ulturist, and Samuel Hape, of Horticutures, and Samuel Hape, of Georgia, to put in Southern World, at their Georgia, to be a solicited, the same as special request, unsolicited, the same as our application. I send wood-cut to jetroit by this mail, and the latter part of petroit by this man, and the latter part of the week I will send electro to your adss, care Job Rooms Democrat and ronicle office, Rochester, N. Y., as

ou direct.
"We want all of the wood we have of selves; but if you wish vines we will give you 25 per cent off from 100 rates without regard to quantity. This we have not done to other nurserymen, but held the Woodruff Red,' to proragate from our done to other nurserymen, but held them to 20 per cent mostly (two or three at 25) to 20 per tent anothy (and the set 20) and that at list rates. This I give you on account of your offer to put in cut in April No. of Fruit Recorder. I send you MICHIGAN FARMER. This also was un-policited, and if they had not been very sure it was a grand thing they would not have put it in. Please at swer on receipt Very truly, EVART. H. SCOTT."

Mr. Purdy knows that his version is not n exact copy of my letter of March 16th, and now that we are on this matter I will explain the meaning of that portion of ny letter which says "This I give you on count of your offer to put cut in April No. of your Fruit Recorder." Below I rive Mr. Purdy's postal card to me, an sact copy, not a garbled one: March 13th, 1885.

"If you will send electro of Woodruft

"If you will send elected of wood and Chronical office, Rochester, N. Y.,' I'll insert it with description in April No. of Fruit Recorder. What will you sell me Fruit Recorder.

Fruit Recorder.

Very truly, &c.,

A. M. PURDY." By my letter you will see that I wrote

Mr. Purdy "we want all the wood we have of 'Woodruff Red' to propagate from ourselves." I then wrote to him what we would do as regards terms and or what account. Mr. Purdy did not say one word to me in regard to accepting my proposition, and I was very much surorised when his catalogue came out to find that he advertised in it to have "a few strong vines." I have positive proof that up to May 5th, Mr. Purdy had not a single vine of the "Woodruff Red." Deng

To show the spirit of Mr. Purdy I quote from a postal card written by him to me

of Recorder you will wish you had never written that card to the MICHIGAN FARM ER. I'll print your letter to me in full." Do so, Mr. Purdy, by all means, but be careful and not garble it. Mr. Purdy again comes to the front and sends me a " regis tered" letter (no money in it) which I give

May 5th, 1885. After consultation with my attorney,

ter this letter to have proof of its reception. You will wish when June No. o Recorder comes and your letters are print ed therein that you had kept aloft from

se base and contemptable attacks of

"Woodruff Red" get the genuine vines Very truly yours,

editor of the Fruit Recorder, we propose as it is a Michigan production, givin something of its history. The Woodru Red originated with Mr. C. H. Woodruff of Ann Arbor, this State, and has bee known to the grape-growers of that vicin ity for the past five years. At the annua meeting of the State Horticultural Societ held at Ann Arbor in December last, M Woodruff brought in some specimens of this grape canned. Its handsome appear ance and large size made quite an impre sion among the horticulturists presen which included a number from abroad a well as the most prominent ones in ou own State. A discussion among thos acquainted with the Woodruff Re brought out the facts that the vine we very hardy-an iron-clad in fact-ver productive, the fruit of handsome appea ance and fine flavored. We were so favo ably impressed with the grape, and t character given it by a number of the perienced growers present who were quainted with it, that we spoke strong in its favor in the report of the meeting

Some time in February last we learn

that Mr. Evart H. Scott, of Ann Arbo

Horticultural,

IN REPLY TO MR. PURDY.

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Very truly, E. H. SCOTT.".

to the Editor of the Michigan Farmer.

give the letter as written by me:



ROSS TERS

ANN ARBOB, March 16, 1885.

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on direct.
"We want all of the wood we have of Woodruff Red.' to propagate from our selves; but if you wish vines we will give you 25 per cent off from 100 rates without regard to quantity. This we have not done to other nurserymen, but held them done to other nurserymen, but held them to 20 per cent mostly (two or three at 25) and that at list rates. This I give you on account of your offer to put in cut in April No. of Fruit Recorder. I send you MICHIGAN FARMER. This also was unsolicited, and if they had not been very sure it was a grand thing they would not have put it in. Please as swer on receipt of electro. Please at swer on receipt Very truly, EVART. H. SCOTT."

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"If you will send electro of Woodruff Red grape to 'Job Rooms Democrat and Chronical office, Rochester, N. Y..' Pil insert it with description in April No. of Fruit Recorder. What will you sell me Fruit Recorder. When eyes of this grape for?

Very truly, &c.,

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"I imagine when you see the June No. of Recorder you will wish you had never written that card to the MICHIGAN FARM ER. I'll print your letter to me in full." Do so, Mr. Purdy, by all means, but be careful and not garble it. Mr. Purdy again comes to the front and sends me a "registered" letter (no money in it) which I give below in full-not garbled:

May 5th, 1885. Evart H. Scott. After consultation with my attorney, I ruff Red grape, and to further say if there a not a proper retraction of your base in again. I'll prove by your own letter to me that you had sold stock to others and that you had no knowledge as to whether I had bought or exchanged for plants of the Woodruff Red with such parties. I register this letter to have proof of its recep-tion. You will wish when June No. of Recorder comes and your letters are printed therein that you had kept aloft from these base and contemptable attacks on me and my character. Respectfully.
A. M. PURDY.

Mr. Purdy, I have proof that you had procured no vines of "Woodruff Red" nor even one bud at the time your catalogue was printed. Deny that if you dare. As regards insinuations: if the coat fits put it on; you undoubtedly know where the shoe pinches. I have received letters from many horticulturists in regard to my card in MICHIGAN FARMER of April 28th, and not one condemning it. A prominent horticulturist from New York State on seeing the article, says: "Do not hurt poor Purdy, he hurts himself bad enough." I do not mean to hurt Mr. Purdy. He is a secondary consideration, I want to be sure that persons buying the Woodruff Red" get the genuine vines. Very truly yours,

WHAT WE KNOW, ABOUT THE WOODRUFF RED GRAPE.

EVART H. SCOTT.

As tais grape has been made prominent in the controversy that has arisen between some of our readers and Mr. A. M. Purdy, editor of the Fruit Recorder, we propose, as it is a Michigan production, giving something of its history. The Woodruff Red originated with Mr. C. H. Woodruff, of Ann Arbor, this State, and has been known to the grape-growers of that vicinity for the past five years. At the annual meeting of the State Horticultural Society held at Ann Arbor in December last, Mr. Woodruff brought in some specimens of this grape canned. Its handsome appearance and large size made quite an impres sion among the horticulturists present, which included a number from abroad as own State. A discussion among those raised it is best to manure the ground the acquainted with the Woodruff Red year previous. brought out the facts that the vine was very hardy-an iron-clad in fact-very productive, the fruit of handsome appearance and fine flavored. We were so favorably impressed with the grape, and the character given it by a number of the exquainted with it, that we spoke strongly n its favor in the report of the meeting. Some time in February last we learned

had purchased a half interest in the gets a customer it is much easier to keep Woodruff Red, after watching its growth him than to get him from some one else. for years and becoming convinced of its value. As Mr Scott is a young and enterprising man, who has made a reputation for himself among the horticulturists of this State both for his enterprise and business integrity, we were pleased to learn that the Woodruff had got into such good hands. The vines have stood the much loss of growth is occasioned by too He also quotes what he says is an exact to y of my letter to him writen March test of the past winter, the most severe experienced in a quarter of a century, and it open air. After the weather has become may be set down as one of the most hardy warm enough plant corn, potatoes, beets, 16th. I quote his version, and following I grapes known. We predict a great popu. ive the letter as written by me:

"A. M. Purdy, Palmyra, N. Y.

"DEAR SIR:—If you wish vines of the Woodruff Red, we will give you 25 percent off from 100 rates, without regard to quantity. This we have not done to other nurserymen, but held them to 20 per cent (2 or 3 at 25 per cent) and that at list rates. arity for the Woodruff Red as soon as its merits become known. In the meantime, it seems to have incurred the enmity of Mr. A. M. Purdy, although he does not know anything about it, and perhaps, to quote the saying of a speaker in the last Chicago convention, we are inclined to honor it for the enemies it has made.'

OH! OH!! MR. PURDY!

As we more than suspected, Mr. Purdy's exact copy of Mr. Scott's letter in last FARMER, turns out to be conspicuously inexact. The portion given by Mr. Purdy was just sufficient to answer his purposes -namely, put Mr. Scott in a false position with other nurserymen and show that he had no grounds to write his first note to the FARMER. Fortunately Mr. Scott retained an exact copy of that letter. Probably he remembered the old Scotch saying, that "when a mon sups parritch wi' the deil he needs a lang spoon!"

Currants.

Of this excellent but much neglected

fruit the Rural New Yorker says: There is no excuse whatever for an absence of current bushes from the farm garden, they are so readily raised from cuttings, while the plants demand very little cultural care. The only formidable enemy to the current bush is the green worm, and this is very easily held in check by the use of hellebore.

Currant seedlings vary remarkably as to the age when they first bear fruit, some bearing in three years, others in four, five six and even later. Seed may be gathered from the currants when they begin to ripen, and if sown at once in drills of mellow soil a quarter-of-an-inch deep and kept moist, they will soon germinate and make a growth which, with the protection of straw or other material, will winter in safety. They may be transplanted the next year, or the most thrifty and promising left to fruit, while the weaker plants may be removed to other places or destroyed.

The list of currants is a long one, but unless a collection is wanted for experiment, the following varieties need alone be considered: Among blacks, Lee's Prolific is an improvement upon the old Black Naples. It is earlier; the racemes are longer, and the berries fully as large. The Black Champion is of later introduction than Lee's Prolific, and the berries, as well as the bunches, are said to be larger. There is no fruit which makes better jel lies than the black currants, and there is, for this reason, a growing demand for them, and improved varieties will find a ready sale. The Black Naples and Black Champion are particularly valuable for Canada and our Northern States. The black currants are never, that we know of, attacked by the current worm. Of red currants, the Cherry is the largest, though the bunches are short and the quality inferior. Fay's Prolific is of recent introduction, and wherever it has been fruited is accepted as the best red currant, all desire to ask you if you mean to insinuate things considered. Versaillaise so closely that I have sold spurious plants of Woodresembles the Cherry that either serves for both. The Red Dutch is in quality sinuations against me as contained in the best red current, and under good care that item in Michigan Farmer headed "Oh, Mr. Purdy!" you will hear from me fruit only as it grows in hedges or helffruit only as it grows in hedges or halfsmothered with grass and weeds. Among whites, the White Grape is unquestion. ably the best. The berries are large, and in quality mild and excellent. The White Dutch is also of excellent quality, but the fruit is small or at best medium in size. Among light-red sorts, Prince Albert bears a large berry and a long bunce. It is very prolific and ripens late.

Market Gardening for Profit.

The first thing to be looked for in going into market gardening is a good location. For early vegetables the land should slope gradually to the southeast, in this way the soil receives the first rays of the sun in the morning and as a result becomes warm sooner than with any other slope.

Another essential element to success in gardening is thorough drainage, if possible the soil should have a good porous subsoil so that any surplus of water falling on the surface would immediately find its way beyond the line where it will injure the roots of the growing crops by becoming stagnant and souring the land. Another element in regard to location is that of a good market close at hand; this is one of the most important items to making market gardening successsful. The garden or the fruit grown should be from 11 to 21 miles from a good thriving town or city with good railroad facilities in case it is necessary to do any shipping. After these points have been settled

the most important things leading to suc-

cess are energy, care, diligence and neatness. In order that one make a success in this line he should be able to get his stock into market just as early as it is possible to do so, for the old adage is true here as elsewhere, the "early bird catches the worm" and the early vegetables take the best prices. In order that this result be realized, the ground should be plowed deeply in the fall, after having manured the land thoroughly with well rotted manure. This is the case if top crops are well as the most prominent ones in our to be raised but if root crops are to be

In the spring just as soon as the frost is out of the ground enough to admit of planting, begin and put in the peas, radishes, lettuce, onions, etc., the earlier these crops are got in the better, for these are generally the first garden vegeperienced growers present who were ac- tables that come on and as a consequence they bring the best prices, also if there is competition the first man on the ground with fresh 'garden truck' has by long pation, and begin fruit growing on a small that Mr. Evart H. Scott, of Ann Arbor, odds the advantage, for when a person scale, increasing as your plants increase."

Orchard Management.

made. Deep cultivation would kill the

During a discussion before the Western Before this time tomato, cabbage and New York Horticultural Society at Rochester, E. Moody, of Lockport, said if lettuce, where there is strong competition, should be sowed in hot beds, and after orchards are deeply cultivated from the the weather becomes warmer and the beginning, roots will not come so near the plants larger they should be transplanted surface as to be injured by plowing. One to cold frames in order to harden them to defect in our present system is that we do the open air gradually, for in many cases not break up and cultivate our orchards deep enough from the start. It is a missudden transition from the hot-bed to the take to try to fertilize our orchards by sowing clover. It is entirely out of the question to keep the orchards of this carrots, parsnips and all the great variety country in good state of fertility with of seeds known to the market gardener. barnyard manure. Potash is a good Just as soon as the plants become large special fertilizer. Cultivating deep in dry enough to be seen go in with the hoe and weather won't kill the roots. There are begin fighting the weeds, and let this be trees that root shallow and others that continued until the end of the season, for root deep, hence a distinction should be

ning down and dying.

Now the old orchard furnishes the finest

manure it, and the hogs are also fed there.

W. C. Barry can manure more economi-

A. S. Newton said the finest orchard he

has since been pastured with hogs. Mr.

next summer. New roots will grow then

ples were no more bruised than by ordin-

ary picking. Mr. Brooks has been in

Mr, Allis spoke of the use of hooks, by

which one man draws aside the lower

branches while the upper branches are be

ing shaken. Mr. Green thought the soci

ety should encourage planting more apple

trees instead of digging up those they

had. Mr. Root thought apples for evapor

ation would be better shaken off on can

MR. A. A. CROZIER, of Ann Arbor

writes us, under date of May 12th, as fol

Horticultural Notes.

SECRETARY GARFIELD estimates that 5,000,

SALT should be added in small quantities to

the compost designed for quince trees. Soap

AN Eastern horticulturist says he has found

put on the bands around the trunks of trees to

Grand Rapids Eagle: Eight or ten peach

twigs from as many trees and of different varie-

ies, taken from the peach orchard of Munso

& Knapp, near this city, show a surprising fair

promise of fruiting this year. For instance

a twig 18 inches in length had 11 blossom buds

on it, alive and apparently healthy, having

exclude the canker worm.

000 barrels of apples were sold in Michigan the

vas instead of the ground.

and spurs.

One very important thing in this line is J. J. Thomas related an account of a to get the vegetables into market fresh Massachusetts orchard that changed and crisp. In order to do this it is best hands, and the new owner, finding it in a either to prepare them the night before very neglected, unproductive condition, and keep in an ice house over night or get plowed it thoroughly and took out numerup very early in the morning and get ous cartloads of broken roots. The next them ready by or before sunrise. This year it was heavily loaded with fine apitem has a great deal to do with the ready ples, and continued to bear good crops. sale of garden truck. Another importan If an orchard is plowed when dormant the item in market gardening is that all arti trees will not be injured, but injury will cles should be neat and clean, all dirt occur when they are plowed while in leaf. should be removed and also none but the Mr. Brooks said the natural habits of best should be allowed to go to market, the trees must be considered. Many roots for one poor tomato or strawberry wil prefer coming to the surface to feed. In often ruin the sale of a whole lot, and it Wyoming County a tree standing in sod is a noticeable fact that it is always the near the back door, with no manure exneat fresh vegetables that bring the best cept weak dish water, has borne, almost

or, in fact, with anything. away from the plow, it bears fruit. There is nothing that will add more to a J. S. Woodward thought it did not de market gardener's popularity than the pend so much the tree as upon the soil. fact that his vegetables are always neat Plow shallow and not disturb too many and clean and that they are always on surface roots. The chief defect is want of hand early enough so that the work in the manure. Give trees manure enough and house is not hindered by waiting. This, you can grow fruit with or without plowadded to the integrity of the gardener, ing. Top dressing of orchards with macannot fail, we think, to make the gardennure is most desirable. er popular and in the end wealthy .-Mr. Moody stated that roots of trees Student's Farm Journal. left in the grass will come near the sur-

prices. This is true just as much with

vegetables and fruit as it is with butter

a weedy garden will surely be unprofita-

Spring Culture of Strawberries.

Fruit-growers hold that strawberries should not be cultivated much the season they bear fruit, many going so spring, nine years ago, tearing up many far as to say they should not be cultivated at all during the bearing season. I have preached that doctrine myself, and believed in it, but now incline to change my views. We had strawberries about to grow in an orchard. In his western experifruit, young plants of which had taken root in the alleys between the rows. We injurious. Corn is the best crop. The ran a cultivator through these alleys fre- former draws upon moisture when most quently, but some of the stronger plants stubbornly refused to be uprooted entirely. At fruiting time I found many of these plants that had been partially dug up by the cultivator with four inches of roots exposed to the wind and sun. Notwithstanding this terrible exposure and to the trees. On University farm there is murderous treatment, these same plants were heavily loaded with berries. It oc- have run, and they were soiled there. curred to me then that, if the strawberry could endure such treatment as this, and fruit. The best orchard in Tompkins succeed at all, it must be that the theory County has hogs enough running in it to of no cultivation was unsound. Another fact which leads me to the same conclusion is, that the plant carefully dug and cally by plowing, and the manure takes transplanted early in spring, will if left effect more promptly. When an orchard to itself, bear a number of fine berries the is in a flourishing condition there is no same season. This being the case (it being need of plowing or manuring. The finest understood that in digging strawberries fruit he ever saw was where the orchard more than half of the roots are destroyed, had been cultivated and menured heavily. no matter how carefully they are dug), it It is not necessary to plow deep nor near is not fair to assume that by cultivation, the trees. which could not destroy one twentieth part of the roots, the bearing capacity knew was cultivated for twelve years, and of the plants would be injured.

The strawberry pushes out new roots Woodward said people forgot that roots very freely and rapidly. Even in one which grew last summer will be of no use week of growing weather the strawberry will form masses of new roots where they | Can feed trees with barnyard manure have been destroyed. This faculty of Put sheep and hogs in the orchard and forming new roots enables the plant to feed them and get all the manure you re-establish itself very firmly in case it want. Can buy hay and feed sheep on has been disturbed. Thus if the surface orchards, can buy cotton seed and get roots are cut off at one side by the culti- back more than half the cost in manure. vator, the roots running deeper will be lengthened and multiplied, and I think a fruit could be shaken from trees on canbetter crop may be secured than if the vas without injury, he distrusted the inground between the rows was left hard vention. J. C. Allis said the system had and covered with weeds. Plants forming too thickly in the rows are a serious drawback in strawberry culture. If the plants in the rows were situated about one foot many apple trees and shaken some, and apart any one will acknowledge that the at least one fourth will strike branches yield would be more than doubled. Where the plants stand so thick they will crowd each other, and that is usually the case in matted rows. In case of the greatest yield of strawberries plants have not been trained to cover the ground, from six inches to one foot space being given be tween each plant. How can we best man age in matted rows to have fewer plants and better crops? I have noticed that those plants that run into the alleys and take root give the largest berries and most

quarts. Here they are not crowded. It would be better if we could remove the centre of the row, and leave the plants growing on the outside, especially where County are killed. The younger trees, strawberries are permitted to fruit the as a rule, are not seriously injured." Mr second year on the same ground. In every J. J. Parshall, same place, thinks few case the plants bordering the alleys are trees are killed except very young or very all young plants, while those in the centre old ones. Those of vigorous habit have of the matted row are nearly all old plants | jast year's wood killed, but the trees are of no value, but simply an incumbrance, uninjured. The peach crop, he says, is and as bad as weeds. As an experiment, an utter failure in Washtenaw County last tall I ran a subsoil plough through this year. the centre of each matted row, tearing out most of the old plants. I intend this spring to run a harrow cultivator in the path of the subsoil plough. This will remove nearly all of the old plants, and will leave the young and vigorous plants, that past season. are growing more scattering along the borders, to bear the crop. I expect to secure an increased yield and larger fruit suds from the wash are good for young trees by this method. Of course the character of the soil must be taken into consideration in all these experiments. Our soil is a crude petroleum better than printer's ink to clayey loam, in which the root growth differs very much from that of sandy soil. The cultivator also does not penetrate as deep as in sandy soil. I should not recommend very deep cultivation in

Mr. C. A. GREEN gives the following prudent advice to those why have the "horticul-tural fever:" "Continue your present occu-

the spring among strawberry plants, but

am satisfied that shallow cultivation will

result in more benefit than injury .-

Charles A. Green in N. Y. Tribune.

evere chilling, and it is a little too early yets to predict with certainty. Two or three or nore orchards in Sparta are yet in promisin

MR. P. T. QUINN, a well known fruit and vegetable grower, prevents the ravages of the flea beetle and striped cucumber bug, so destructive to the foliage of young vines, by sprinkling his vines with a decoction of tobacc stems and soft soap, and then powders them THE Rural New Yorker advises us that a few

hills of sweet corn may be planted quite early. to be followed with a planting each week til danger from frost is over. If the corn is wrap ped in a wet cloth and laid in a warm plac until the sprouts are half an inch long before planting, and then planted so as not to break the tender rootlets, there will not be one-tenth part the danger of the seed rotting in the ground. THE plum crop is becoming a very important

one in Western New York. One planter has bought a hundred acres, and is planting it to dums as fast as practicable. It is proved that the trees require heavy feeding. If you starve everything else, do not starve the plum. The curculio is easily managed, but eterna vigilance is required. The great danger is in shedding their leaves at midsummer, when the fruit is half grown. Manure, with 200 pounds per acre of potash salts, will prevent it. Too much potash will kill the trees.

ELBRIDGE CUSHMAN, President of the Ply mouth County, Mass., Agricultural Society, says he always raises a crop of corn with his otatoes. He tells how he does it, as follows: 'I put in the corn last year just as the potatoes were ready to blow. I put on a liberal amount every year, ten or twelve barrels of apof manure,-six cords to the acre, with this ples. If a tree can back up against a wall 800 pounds of bone and 200 pounds of potash, harrowed in,-and furrowed the ground a little and put 400 pounds of Stockbridge fertilizer on the potatoes. That made a liberal manuring. Consequently without hoeing I got good corn in the rows with the potatoes. The corn was planted between the hills in the row of potatoes. I planted the small variety of early corn. Two years ago I got 50 baskets to the acre and 200 bushels of potatoes. After the corn and potatoes came off I sowed rye, putting on some fertilizer, and thus got another crop in that year on those two face, and if you can furnish manure to mulch and feed them at the surface they

MARKET gardeners often raise earlier and will be all right. Mr. Sherman had an larger cabbages than are usually found in ever orchard which he had broken up in the our best private gardens. One reason of this is probably due to the fact that the market roots, and since that time it has been rungardeners raise cabbages on allarge scale, and use the horse hoe or cultivator between the Prof. Roberts said it was a matter of rows of growing cabbages. And this deep and great importance what kind of crop you thorough cultivation not only keeps the land free from weeds, but it also prunes the roots ence he found barley, wheat and oats very and checks the growth of the cabbages for a short time, but not for long. The roots which are pruned throw out numerous small fibrous roots, which feed on the rich surface soil rather needed for the trees, in the early part of than on the poorer subsoil. This check to the the season, while corn draws the moisture growth of the cabbage favors early maturity more in the latter part of the season, But it should not be forgotten that it is indis when it checks growth, causing fruit buds pensible to success that the land for early cabto grow. In Iowa he would leave the bages be very rich, and the more you rootstalks through the winter as a protection prune, the richer the land ought to be.-Am rican Agriculturist. an old orchard on a hill in which cattle

> Hale's Honey the great Cough cure, 25c., 50c. & \$1 Glenn's Sulphur Soap heals & beautifies, 25c, German Corn Remover kills Corns & Bunions ill's Hair and Whisker Dye-Black and Brown, 50c. Pike's Toothache Drops cure in 1 Minute, 250 Dean's Rheumatic Pills are a sure cure, 50c.

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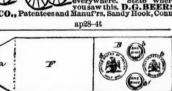
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COMMISSIONER'S NOTICE.—In the matter of the estate of Edward P. Earl, deceased. We the undersigned, having been appointed by the Probate Court for the County of Wayne, State of Michigan, commissioners to receive, examine and adjust all claims and demands of all persons against said deceased, do hereby give notice, that we will meet at the office of Samuel Post, 23 Lafayette Avenue, Detroit, in said County, on Saturday, the 25th day of July. A. D. 1885, and on Saturday the 25th day of July. A. D. 1885, and on Saturday the 25th day of September, A. D. 1885, at ten o'clock, A. M. of each of said days, for the purpose of examining and allowing said claims, and that six months from the 27th day of March, A. D. 1885, were allowed by said Court for creditors to present their claims to us for examination and allowance.

Dated April 10th, 1885.

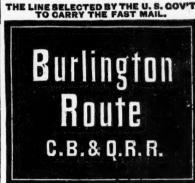
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STATE JOURNAL OF AGRICULTURE.

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STATE JOURNAL OF AGRICULTURE.

DETROIT, TUESDAY, MAY 19, 1885.

## WHEAT.

The receipts of wheat in this market the past week amounted to 43,363 bu., against 37.722 bu., the previous week and 65,261 bu. for corresponding week in 1884. Shipments for the week were 116 522 by The stocks of wheat now held in this city amount to 789,355 bu., against 868,600 last week and 151,709 bu, at the corresponding date in 1884. The visible supply of this grain on May 9 was 37,890,187 bu. against 39,461,278 the previous week, and 20,297,614 bu. at corresponding date in 1884. This shows a decrease from the amount in sight the previous week of 1,571,091 bu. The export clearances for Europe for the week ending May 9 were 545,452 bu., against 532,963 the previous week, and for the last eight weeks they were 5,068,089 bu. against 7, 345,710 for the corresponding eight weeks

The wheat market has been neither very active nor firm the past week. The tendency in values has been steadily downwards, caused by the warmer and more pleasant weather and the generally accepted theory that Great Britain had "crawfished," as a board of trade man expressed it, on the Anglo-Russian dispute over the Afghan boundary line. The re call of Sir Peter Lumsden, who appeared to be anxious to sustain British prestige, and the announcement that the Russians had got all they asked for, has apparently done away with all necessity for war between the two powers for the present. The only sustaining power in the market is the absolute certainty that the wister wheat crop must be a very short one. The 615 bu. the previous week, and 23,362 "bulls" talk of the late season, poor pros. bu. at the corresponding date in 1884. The pects, the diminished area in wheat, and the chances of a European war. The "bears" in reply point to the "peace on any terms" policy of Great Britain, the the corresponding weeks in 1884. The increased acreage of spring wheat as a visible supply shows a decrease of 149, result of the poor prospects in the winter 267 bu. during the week. Oats are a litwheat States, and the general stagnation the lower in this market than a week ago, in business as all tending to reduc values and sustain their theory of lower prices. It is a good deal of a lottery which way the market will move now that one of the factors in sustaining prices, a foreign war, has been nearly eliminated from the situation. The week closed with a loss of 11@11c on spot wheat during the past week, and rather more on futures, and values pretty firm at the decline. Yesterday this market opened dull and weak, at about Saturday's figures, then declined, partially recovering before the close. There was very little trading, sales being only seven cars of spot and 4,000 bu. for future delivery. The Chicago market was fairly active, with prices fluctuating sharply. The close was at figures a shade under Saturday's last sales. No. 2 red sold at 97c per bu., and No. 3 do. at 86@87c. Liverpool was weak, with

holders offering freely at reduced figures. The following table exhibits the daily closing prices of wheat from May 1

-		c	,	•	_	•					. 1 vhite.	No. 2 white.		o. 2 red.	No. 8
lay	1				_					1	05		1	04%	
44	8										0414		1	0316	
46	4										05		1	0134	
65	5										01%			9916	
66	6										02			9912	
46	7										02%		1	00	
64	8									1	081/2		1	0114	
44	9									1	041/4		1	0314	
66	11									1	0414		1	08	
66	12									1	0314		1	20	
66	13									1	0314		1	03	
66	14									1	031/6		1	01%	
66	15									1	08				
66	16										03				
44	40									1	0014		- 1	0114	QR

The following statement gives the closing figures on No. 1 white each day

	May	June	July.
Tuesday		1 03%	1 05
Wednesday	1 0314	1 0436	1 05%
Thursday	1 08%	1 04%	1 05%
Friday		1 0316	1 04%
Saturday		1 08%	1 05
Monday	1 02		1 04%

various deals each day of the past we

	May	June	Jul
aesday		1 02%	1 03
Vednesday	1 02	1 08	1 04
Thursday	1 02	1 0216	
riday		1 02	1 03
aturday		1 02%	
Conday	1 011/4	1 02%	1 08
The color in this me	shot fo	w the	-

included 45 cars and 16,000 bu. of spot, and 1,258,000 bu. of futures. The previous week they were 70 cars and 18,000 bu. of spot, and 1,142,000 bu. of futures.

The outlook abroad is less encouraging to holders and growers than at home but stocks on hand are lighter than usual the result of buvers holding off and only purchasing to supply positive needs. Speculative trading in the English market is very light. The imports of flour and wheat into the United Kingdom from August 25, 1884, to April 25, 1885, dull except for choice Elgin creamery,

have been equal to 91,499,246 bushels of wheat. The farmers' deliveries of home grown wheat during the same period have been equal to 41,971,692 bu. of wheat, making the total supply in 85 weeks 133,470,937 bushels against 140,000,-000 bushels estimated consumption during the same period, which is on the basis of 4,000,000 bushels per week for 35 weeks. The deficiency has been in 35 weeks, 6,529, 063 bushels. The English crop was placed at about 72,000,000 bushels for consumption for food, which is placed annually at 208,000,000 to 216,000,000 bushels. The remainder of crop to be delivered is 31, 049,508 bushels, and on passage for the United Kingdom April 25, 25,800,000 bushels, making supply already provided for 190,320,445 bushels, leaving to be purchased and shipped in time for arrival and use in this crop season of foreign wheat,

17,679,515 to 25,679,515 bushels. The following table shows the prices ruling at Liverpool on Saturday last, as compared with those of one week previ-

COBN AND OATS.

The receipts of corn in this market the bu. the previous week, and 15,195 bu. for corresponding week in 1884. Shipments vere 55,232 bu. The visible supply in the country on May 9 amounted to 6,605,-759 bu. against 8,632,422 bu. the previous week, and 10,517,706 bu at the same date last year. The visible supply shows a decrease during the week of 2,016,663 bu. The exports for Europe the past week were 1,218,498 bu., against 1,216,401 bu. the previous week, and for the past eight weeks 12,067,436 bu., against 5,-045,563 bu. for the corresponding period in 1884. The stocks now held in this city amount to 6,370 bu., against 49,974 bu. last week and 14,419 bu. at the corresponding date in 1884. Corn has weakened a little the past week, and is quiet at lower prices. No. 2 is quoted at 51c per bu., and 51c for new mixed. In futures No. 2 is selling at 49%c per bu. for May delivery, 491c for June, and 49c for July. Chicago is fairly active at a decline from last week's prices. No. 2 spot is quoted there at 48\$c, May delivery at 48\$c, June at 47%c, and July at 47%c. The market seems to have weakened in sympathy with wheat, as there is really no other reason perceptible at the moment. The position of corn is apparently a strong one, and any weakness is likely to be only temporary. The foreign markets are reported as fairly active but at lower prices. The Liverpool market yesterday was

quoted dull at 4s. 111d. per cental for

new mixed, with no old in market.

The receipts of oats in this market the past week were 17,601 bu. against past week were 17,001 bu. against ity, and that the English consumers calculate upon having a combination of both bu. for the corresponding week those essentials this season, with the contest for the tond elevent developing." in 1884. The shipments were only 805 bu. The visible supply of this grain on May 9 was 2,086,650 bu., against 2,235,317 bu. at the corresponding date in 1884. Stocks in this city on Monday amounted to 35,498 bu., against 18,exports for Europe the past week were 48,392 bu., and for the last eight weeks were 1,287,356 bu., against 154,266 bu. for and holders are inclined to push stocks at current quotations. The weakness has resulted from a lack of demand and may change to a condition of firmness at any moment. No. 2 white are quoted at 401 @41c per bu., No. 2 mixed at 371c, and light mixed at 39c. Street prices range from 35 to 40c per bu. The Chicago market declined early in the week, but has regained its old position, with No. 2 mix ed spot selling at 34tc per bu., May de livery at 341c, June at 341c, and July at 34tc. The New York market is easier and at lower prices. The demand has fallen off the past week, and with lower prices at the west there was nothing to sustain the market. Quotations there are as follows: No. 3 mixed, 38c: No. 2 do. 391c; No. 1 do., 391c; No. 2 Chicago mixed, 401c; No. 3 white, 43c; No. 2 do. 431@44c; No. 1 white, 49c; Western white, 44@49c; State white, 49c.

## DAIRY PRODUCTS.

Our local market remains very quiet with not a new feature to note in any respect. So far as commission men are con cerned, 15@16c is the general price paid for fair to good table butter, with extra lots of packed or roll [at 17c, and sometimes 18c per lb. For the bulk of the receipts, however, 16c is the general quotation. Good lots of fresh packed are preferred to roll, as the warm weather effects rolls very quickly when handled in the usual way. Creamery is quoted at 20@ 28c per lb., with choice bringing 25c. Most of the creamery received is consigned direct to grocers or to consumers under contract, and generally at the top figures quoted. Butter substitutes are in light demand as compared with some weeks ago, but as they sell at 12@14c per lb.; considerable quantities are being taken considerable quantities are being taken by hotels, boarding-houses, bakers, and others, where two to four cents per lb. is an object from the quantities they require. The Chicago market is still on the "down grade," and with steadily increasing supplies and little else but a local demand there is nothing to sustain the market even at present low prices. Quotations in that market are as follows: Creamery. fancy, 22c; do., common to choice, 15@ 20c; dairy, choice, 16@17c; do., fancy, 19c; fair to good dairy, 13@14c; common grades, 10@11c; inferior, 6@7c. The New The prospects, as a whole, throughout the York market is also weak and dull, holdcontinent of Europe and Great Britain are ers expecting grass butter soon and anxfair for a crop nearly up to the average, ious to close out stocks of fodder grades on hand. This has made them willing to con-

cede on prices where a large line could be

moved, and created a weak feeling in the

trade. Nothing but gilt-edged stock is en-

quired for, and for it holders keep pretty

close to top prices. Western stock is very

which is always in fair demand for the local and dealers lost heavily the past year. We Central Illinois Series of Shorthorn trade. Quotations on new stock in that market are as follows:

reamery, fancy, pails, etc. reamery, prime..... reamery, fair to good. Western stock is quoted as follows: Western factory, choice. 17
Western do, good to prime. 15
Western do, ordinary to fair. 13
Western dairy, fine. 14
Western dairy, good. 11
Western factory, choice. 13
Western factory, choice. 13
Western factory fair to good. 10 Western factory, fair to good. Western factory, ordinary ... The exports of butter from American

norts for the week ending May 9 were 200,942 lbs., against 111,506 lbs. the previous week and 250,305 lbs. two weeks previous. The exports for the corresponding week in 1884 were 252,343 lbs.

There is a quiet and steady market for cheese at this point, with a fair amount of stock moving for the season. Quotations range from 12 to 13c per lb., for full cream State brands, the latter an exceptional price, 8@9c for good skims, and 7@ 8c for low grades. Ohio full creams sell at 12@12ic, and New York about the same as Michigan. The Chicago market is dull and weak, with a light shipping past week were 23,063 bu., against 12,907 demand owing to lower prices at the east. The local demand keeps up well, and there are some orders being received from the west. On the whole, however, the market is very unsatisfactory at present, and the outlook not promising for any improvement. Quotations there are as follows. Young America, full cream, old 12c; do., new, 91@10c; full cream cheddar, old, 9@10c; do rew, 81@91c; flat, new. 94c; skimmed, choice, 4@5c; skimmed, common to good, 2@3c; damaged and centrifugal, 1@1c. The New York mar ket has presented a demoralized appearance all week, and even at the reduced lines of valuation receivers have found it difficult to work off stocks. The Daily Bulletin says of the market:

"Following the unsatisfactory results of last week, the current period has given the situation a really demoralized appear ance, and there has seldom, if ever, been so thoroughly a prostrate market at this time of the season. The break on value may have been as great, but always ac companied by at least a respectable showing of interest and some appreciation of the gain made on the part of buyers; but now the supreme indifference manifested ver the decline is what appears t "break up' receivers completely. Some buying has as a matter of course taken place, but a portion of it looked rather singular, to put it midly, and a great deal of it was only half inten ional and due to the unexpected acceptance of extremel low bids. All the trouble is due solely to a continuation of the previous important feature, an almost entire absence of orders and extremely tame advices per cable, coupled with a knowledge obtained by many shippers during recent visits abroad

	test for that end already developing	ng.	
	Quotations in that market ye	ester	day
	were as follows:		
	State factory, choice	9 6	0 914
ı	State factory, fine		8%
ı	State factory, good		814
ı	State factory, fair	7360	7%
ı	State factory, ordinary		07
ı	State factory, inferior		51/4
į	Ohio flat, prime	8140	
į	Ohio flat, fair to good	748	
į	Skims, Pennsylvania, prime		
į	Skims, Pennsylvania, common to good	1 @	1 2
١	Mh - Timema all manhat is anatas	3	11 -4

The Liverpool market is quoted dull a 54s. per cwt., a decline of 3s. per cwt. from the figures reported one week age and 5g within three weeks.

The receipts of cheese in the New York market the past week were 20,876 boxes against 19.525 boxes the previous week and 24,966 boxes the corresponding week in 1884. The exports from all American ports for the week ending May 9 foot up 1,212,147 lbs., against 2,516,911 lbs. the previous week, and 917,564 lbs. two weeks ago. The exports for the corresponding week last year were 1,569,286 lbs.

## WOOL.

There is a very quiet time among east ern wool dealers at present. Manufacturers appear to be waiting for something to turn up, or for the new clip to arrive so they can have something better to select

At Boston sales for the past week in cluded 1,569,700 lbs. of domestic fleece and pulled, and 299,800 lbs. of foreign, a total of 1,869,500 lbs. against 2,203,500 lbs. the previous week. Of the market of the past week the Advertiser of that city says:

week the Advertiser of that city says:

"The market has been much less active which is shown in reduced sales, and the inquiry has been without animation and spiritless. The tone is less strong, having lost vigor owing to the announce ment of large sales of cotton goods in New York, which indicate that such goods, in spite of reduced production, are not being distributed through the results of the same distributed through the results of the same distributed through the results of the same distributed through the same distributed thr ing distributed through the regular chan-nels; hence the auction room is resorted to. The selections in fleece X and XX wools and combing and delaine are now fleeces, when sales were forced down to 311@32c, and 34@341c can be obtained for the best XX and above. Why the price was ever forced down is one of the mysteries of the wool fluctuations. Coarse tions are small, and some few lots are held above quotations, but it is cheaper to buy Australian wool than to purchase

delaine at any advance.' Sales of Michigan X were at 30c, Ohio X at 31c; Ohio XX at 33c, and New York

X at 271@28c per lb. The New York market was even mor quiet than that of Boston. The dullness was not confined to any particular class, but eemed to affect the whole market. The Economist is urging manufacturers to be very cautious about buying wool, and counsels them against sending out agents to buy stocks direct from the wool-growers. That paper also says that "many goods are sold up to August, and although at a low price yet at a small profit, if wool keeps low. Should any advance take place in wool the sellers would lose money." It winds up with the following

lugubrious picture of what wool-buyers may expect: "We know that all large speculator

heard of one case where a resident of one of the Territories bought on speculation a half million pounds; it cleared out his little capital, and badly involved his friends; and we know of several such cases, yet doubtless more fools are waiting for the present clip to be shorn so they can go in again. Four successive years of disaster among wool buyers should teach a lesson to all, wool buyers should teach a lesson to all, but we fear it will not. The triangular contest of local speculators, Eastern dealers and manufacturers, each bent on getting ahead of his fellows, has been a dis-

10,000 lbs No. 1 do, at 30c: 5,000 lbs } combing, at 30c; 100 bags super pulled on private terms; 60,000 lbs new spring Texas, 14@18c; 20.000 lbs do do, at 15@16c; 8,000 lbs fall Western Texas, 11@13c; 5,000 lbs do scoured do, at 40@421c; 10,000 lbs Eastern Texas at 18@221c; 10,000 lbs Oregon, 17tc; 10,000 lbs fall California, 16c; 1,000 California, 23c; 5,000 lbs scoured Texas,

THE reports received by the McCoragents throughout the various states, give much worse accounts of the condition of winter wheat than a month ago. They do not indicate a total yield of over all breeds. about 200,000,000 bu of winter in all the States and Territories. Per contra. a Sunday, says the tremendous and steady rains which have been falling throughmoderately warm weather, have assured, as far as the weather can, an extraordinarily large wheat crop. The winter wheat never looked better, but up to ten days ago some fears were expressed concerning the spring grain. It is the settled judgment now that every field of spring sown grain will mature. Conservative estimates put the surplus for Western Oregon at 6,000,000 bushels, and of the "inland empire," comprising the grain fields of Eastern Oregon and Washington territory, at 6,000,000 bushels, a total of 12,-000,000. This is an increase of 30 per cent over last year and is based on the fact that the acreage is about 19 per cent. greater and the condition far better than the corresponding date last year. The harvest will be about two weeks earlier than usual this year.

WE hope one of the bills now before the Legislature providing against the spread of contagious disease among live stock, or its importation into the State from other points, will be pass. ed. The experience Missouri is now undergoing because there was no law under which action could be taken to stamp out diseases of a contagious nature, should be a warning to other States. Michigan, from her position on the great lines of The growth of wool was 341 days. travel between the east and west, is peculiarly liable to suffer from this cause. It would therefore be only wise on the part have put on a Sunday train to Mt. Clemof her law-makers, before the present session of the Legislature is ended, to place upon her statute books a properly devised law to prevent, as far as possible, any loss to the live stock interests of the State from contagious diseases, with ample provision also to stamp them out at once should they make their appearance. Legislators will do less than their duty if they neglect this matter, and may have cause to regret it within the year. Of the various bills introduced, that offered by Mr. E. K. Wood, of Montcalm, se practicable, and we would like to see it

WE are in receipt of the eleventh annu al announcement of the American Veterinary College of New York City for 1884 5, containing the names of the faculty, medical staff, terms and requirements of lectures, annual report of the hospital department, a list of the matriculates for 1884.5, both seniors and juniors, and a complete list of graduates. The report of the hospital department, under the charge of A. Liantard, M. D., V. S., Chief Veterinary Surgeon, is especially interesting, and shows the fine opportunities afforded students by the free clinics which are a feature of the College. The Board of Regents includes such distinguished citizens as Gov. D. B. Hill, Secretary of State J. B. Carr, W. B. Ruggles, Superintendent of Public Instruction, Geo. W. Curtis. Ex Senator Francis Kernan, Martin I. Townsend, Chauncey M. Denew Whitelaw Reid and many others equally well known. In recommending this college to young men who are thinking of adopting veterinary surgery as a profession, we feel we are doing a good thing for them as well as to a science that is be coming of the highest importance to the great live stock interests of the country.

During the past month our farmer have been sending in some very choice cattle. Among the best was a lot of fifty head fed by Mr. John Strong, Jr., of South Rockwood, Morroe County. This was a ripe lot, and certainly reflected credit on Mr. Strong as a feeder. They were purchased by Messrs. Wreford & Beck, and the heaviest, which were too heavy for the Detroit trade, were shipped East. Of the balance a good part were cut up by Mr. Thomas Barlum of the Central Market, who is credited with keeping one of the finest lines of meats in the city, which he dispenses with a liberal hand to our best citizens at good prices. Another fine lo of 40 head came from the farm of Mr. F. Buhl, of Newport, Monroe County, and were also purchased by Messrs. Wreford & Beck. Mr. Buhl is one of Detroit's most prominent business men, but takes great interest in agricultural matters, and each year turns out a nice lot of fat cattle, which always take rank with the best.

MR. O. L. MORGAN, of Hillsdale, sends us a report of the shearing of two ewes of his flock of Merinos. One of them, two-year-old, sheared 21 lbs. 2 oz., and another one, three yeers old, gave a fleece of 24 lbs. 4 oz., both of 374 days' growth. He says these weights can be authenticaSales.

Commencing on Tuesday, June 2, proximo, a series of sales of Shorthorn cattle are will be made in Central Illinois, which will include about 200 head of the most popular families. The herds from which the stock will be offered are those of J. S. Highmore of Rochester, H. E. Gardner of Bradforton, J. N. Brown & Sons of Berlin, D. W. Smith and S. E. Prather of Springfield, J. H. Potts & Sons of Jack-The sales in the New York market the sonville, J. W. Moore of Mound Station. past week embraced 15,000 lbs XX Ohio and W. W. Byram of Abingdon. The leece, at 33c; 5,000 lbs X do, 31c; 10,000 stock to be offered comprises individuals lbs X Michigan do, 30c; 5,000 lbs do do, of the Young Phyllis, Young Mary, Bar-29c; 10,000 lbs X New York State, at 27tc; rington, Mazurka, Gwynne, Nelly Bly, White Rose, Rose of Sharon, Pomona Louan, Cruikshank, Desdemona, Violet Ruby, Lady Aylesby, Lady Athol, and other well known families. The herds are all well known to breeders, and some of them noted for their fine show animals It is a notable fact that with all the opposition from the various breeds that have lbs coarse Texas, 14c; 1,000 lbs spring been popularized in this country within the past ten years, the Shorthorn is spreading just as rapidly as ever among the farmers of this country. Not a farm er who has ever invested in Shorthorns mick Reaper & Mower Co. from their and given them proper care and attention can charge them with being profitless They seem destined to hold their own in the face of the strongest opposition from

AT the late meeting of the Western Re telegram from Portland, Oregon, dated serve Sugar-Makers' Association a mem ber said that 1,000 gallons of glucose worth from 15 to 20 cents per gallon, can out Oregon and Washington territory for be sweetened with cane sugar and given he last week, followed by cloudy and a maple flavor at an additional expense of 15 cents per gallon and sold to grocers at 40 cents per gallon, who in turn retail it at 75 cents under the brand "pure maple syrup." There is plenty of the stuff in Detroit, being retailed at \$1 per gallon. It is frequently put up in small pails, painted a fine red, and labeled "Pure Vermont Maple Syrup."

GERMANY comes to the front with a new fraud in the shape of artificial cheese. It is composed of one part oleomargarine and two parts skimmed milk, mixed to the consistency of cream and subjected to the usual processes of manufacturing the genuine article. If it can be successfully manufactured and sold as cheese we may look for its early advent into this country. While the butter substitute bill is under consideration at Lansing an amendment including bogus cheese would seem to be called for.

MR. CHAS. ARNOLD, of Shaftsburg, Shiawassee Co., writes that he sheared 365 lbs. of wool from 26 grade Merinos, twelve being two year old ewes, nine three year old, raising lambs, three yearling ewes, and two rams one and two vears old. A two-vear-old ewe sheared 21 lbs., and a two year old ram 24% lbs. THE Grand Trunk Railway Company

ens. This train proved very popular last season, and will no doubt prove more so this. It will leave Detroit at 10:55 A. M., standard time, and leave Mt. Clemens at 4:30 P. M., reaching Detroit at 5:25. The fare for the round trip has been placed at 60 cents.

MR. PERRY JOSLYN, of Holly, Oakland Co., writes: "We are having a cold and rather late spring in this vicinity. Grass and clover have got a good start. Wheat looks well except on knolls and ridges where the snow was blown off and the plant winter-killed."

Wheat procured a box and putting in it the small potato, carefully packed enough nails and dirt with it to make a good sized package. This he sent by express to the Peunsylvania firm, and if they take it from the office, they will have an express bill of some \$\frac{8}{2}\$ to pay and clover have got a good start. Wheat

IT is said that a lot of hops of the growth of 1882 were lately sold at Sheriff's sale at Scheneous, N. Y., for 5 to 7c per lb. They were held for higher prices in a year when hops sold at \$1 and over per students, course of instruction, order of | lb. Their owner must have wanted the earth.

## Stock Notes.

MESSES C. HIRRARD & SON of Shiawasse County, report the following sale of Shorthorn from their herd: To Messrs. Underwood & Pearsall, Nev Haven, the cow Nellie, (Vol. 20), by Fearnaugh

To John Tubbs, Ovid, the yearling bull Young Oxford 58539, by Wiley Oxford 34111, and out of Fancy [Vol. 19).

In reporting the sale of the Shorthorn bull 3d Tea Rose Duke, bred by Mr. Chas. F. Moore of St. Clair, the purchaser was given as Mr. A Hosner, of Farmington, Mr. Hosner selected the bull for Mr. George German of Franklin Oakland County, who was really the purchas er. He is a veryhighly bred young bull, and will prove an acquisition to Mr. German

## NEWS SUMMARY. Michigan.

An Algonac firm expends \$10,000 in catching a smoking sturgeon. An Algonac firm expends \$10,000 in catching and smoking sturgeon.

Myron Nott, of Mt. Pleasant, was found frowned on the 15th. A Kalamazoo man has just invested in soda fountain that cost \$2,600.

Mart Kenyon, of Hudson, has a colt which when a year old weighed 910 pounds. A Howell man was astonished to find his pump frozen up on the 11th day of May.

Jackson County will be compelled to pay the board bill of the jury in the Crouch case. Frank Kelly, of Michigamme, was mangle on a terrible manner by a vicious hog last week The Fenton Block at Flint, which recently tumbled into the cellar, is being rapidly re-

Adrian Press: Edward Hawkins, living near Hudson, has a ewe that has raised 18 lambs in ve years. St. Clair has decided to have water works b

of 222 to 124. The works will cost Flint has a new two page daily paper, which s delivered for five cents week. It will

oubtless die young. The Commercial Printing House at Ypsilan-ii was destroyed by fire on the morning of the 15th. Loss, \$5,500.

The Jonesville Independent regrets that so many shade trees by the roadside and upon farms are being cut down. S. S. Cobb, of Kalamazoo, takes the place of Hon. Allen Potter, deceased, as treasure

of Hon. Allen Potter, deceased, as tree of the Michigan Asylum for the Insane. A Clinton baby hooked a button hook around one of its tonsils, and nearly scared its parents to death. Beyond a very sore throat no harm was done.

McBrides, Montcalm County, was pretty

A man named Richard Gunderson committed suicide at Menominee recently, and it is now ascertained he was the son or nephew of an English lord.

Jay Whitman, freight conductor on the C. & G. T., fell between the cars of his train near Battle Creek while assisting to set brakes, and

was instantly killed. W. N. McCall, brakeman on the M. C. rail-road, was knocked from the top of his train into the Tittabawassee River at Saginaw City, and drowned, last week.

In Rollin Township, Lenawee County, a party of 15 sheep had the hydrophobia, or at least a disease closely resembling it, and all were killed by their owner.

A wealthy citizen of Ann Arbor has built in his yard a log cabin, the fac-smile of the pioneer's cabin of fifty years ago. It is 10x12, and used by his children as a playhouse. The Hart Argus predicts that Oceana County

will have a fair crop of peaches, unless something yet happens. An orchard of four acres gives promise of from 1,000 to 1,200 bushels. A fire broke out in the dry kiln of Hood & Gardner's stave mill at Reese on the 18th, destroying it. The mill was saved only by almost superhuman efforts, it being only 25 feet from the kiln.

A Farmington citizen who proposes to prevent extravagant display at his funeral, has constructed a coffin of pine boards, with leather handles, in which he proposes to await the judgment day.

Morse Jones, of Richland, Kalamazoo Co., while temporarily insane committed suicide by shooting himself on the 15th. He was a young man of promise and much respected, and a graduate of the Agricultural College.

Wm. C. Given, who was lost in the woods near Sault Ste. Marie, and wandered about without food for four days, was at last found by a sugar-making party, and rescued, none too soon as he was very much exhausted. Dr. Rose, of Ann Arbor, according to the

Courier, has invented a way to manufacture

peptonized beef so that it can be sold at \$1 per pound instead of 50 cents for three ounces as heretofore, and expects to realize handsomely from his discovery. Forest fires are raging west and north of East Saginaw, and destroying much property. Morrison's mill at North Bradley was burned, and in many places the buildings at the stations were saved only by the most vigorous efforts.

vere saved only by the most vigorous efforts. Fires are also raging in the vicinity of Mackinac Last week the organization of a new agri-

cultural society was completed at Monroe, and over \$2,000 of the stock paid in. The work of improving the fair grounds has already been commenced. It is probable that the new soclety, being a stock company, and supported by the leading men of the city, will be success

A blacksmith named Augus Niggley, living at Laugston, Montcalm County, was struck on the head by a club in the hands of some unknown person as he was entering his door, on the 14th. The motive for the attack is unknown as he was a quiet citizen, much respected, and his valuables were undisturbed. He will die from his injuries. Flint Globe: W. Z. Hutchinson, of Rogers

ville, lost about fity colonies of choice bees during the late winter, leaving him about 25 colonies. He has already ordered enough to increase his stock to about 90 colonies. Mr. Hutchinson believes the honey market will be active and prices good, owing to the enormous losses the past season, and hence does not hesitate to re-invest.

A freight train on the Wabash road was wrecked 14 miles from Detroit on the night of the 14th, by running through an open switch. The engineer, fireman and brakeman were buried in the ruins, but rescued unburt except for a few bad bruises and cuts; their escape is considered little less than miraculous. The switch was opened by wreckers who evidently intended the passenger train soon to follow the freight should be ditched.

A modern Diogenes need not go out with his antern to look for an honest man, but can go traight to Plainwell and call on J. B. Hulburt, who three years ago found \$15 in his store which was dropped by a stranger who had made some purchases. The stranger could not be found, though careful inquiries were made. Last week he came into the store again, was questioned as to whether he had ever lost money in Plainwell, and as his answers con-vinced Mr. Hulburt that he was the owner, the \$15 was paid him. Jonesville Independent: Ben Stookey re

cently ordered of a firm in Pennsylvania some potato eyes, which according to the advertisement, were to be sold at from 40c to \$1 per lb. He sent \$1.50 and received in return a small potato, weighing 1½ ounces. Ben thought this was a little too rich for his blood, so he received by any natural risk the received. express bill of some \$2 to pay.

Hudson Post: Last week A. J. Webster, an attorney from Elyria, Ohio, put in an appearance at this place for the purpose of attempting the collecting of a note against Bohemian Oat Warner. The most plainly risible manner of collecting seemed to be the ttachment of Mr. Warner's team, but before attachment of Mr. Warner's team, but before the necessary steps could be taken, Warner and team could not be found. Mr. Webster was pretty thoroughly acquainted with the workings of the oat scheme, and denounced the whole business as a most ingenious sort of a fraud, saying that farmers in Ohio had been terribly swindled.

For three weeks 75 men and a construction rain have been at work filling in the sink ole in the railroad near Unadilla, and it is not yet safe, though trains cross at slow speed. The break is 200 feet long and the marsh on which it is situated is 20 rods across each way. which it is situated is 20 rods across each way. Sufficient earth has been dumped in to cover the marsh two feet deep. Several carloads of old stumps and large quantities of timber have also been used. Fishes are plentiful around the sink, some of which are blind while others can see. The first time an engine was run across, it careened to the left when near the center of the hole, and nearly capsized.

Baltimore is getting ready for the cholera. The revised edition of the Old Testament is Grasshoppers are devastating some portions of Texas.

A carter has just died in a hospital at Montreal from glanders caught from his horse. Robert Fauser fell from a gravel train near leasant Lake, Ind., on the 15th, and was

Brand & Co.'s brewery at Chicago was purned last week. Loss, \$300,000, without a dollar of insurance.

Anna Pershing, deserted by her husband, a Pittsburg, and only 18 years old, shot herself ast week in her despondency. Henry Lewiston's house at Owatonna, Minn., caught fire on the 15th, and five of his seven children were burned to death.

Newspapers cannot be sold in Toronto Sunday. Four persons were fined \$10 each and costs for selling Sunday papers last week. Reports show that 1,155,000 hogs were packed at western points since March 1, an nerease of 200,000 over the corresponding period of last year.

A four story building at Cleveland, occupied by stores and families was burned on the 15th, and Mrs. Sawyer, dressmaker, was burned to

A cyclone passed through Rooks County, Ks., on the 15th, and nearly fifty persons were injured. The damage to property will reach \$50,000. The North Chicago rolling mills resu work on Monday, giving employment to 1,600 men. The strikers returned to work at the

old rates. Poisoned ice cream caused dire distress among picuicers at Talulah Falls, Ga., last week. Over one hundred persons were

Nearly 200 weavers of the Whittinton mills.

Texas cattlemen will resist the passage of 3,000 head of southern Texas cattle which are being taken to a northern Texas ranch, and the adjutant-general has been called on for A consignment of 2,000 sacks of Russia flour, quite as good as the best American product, were offered for sale on the New York produce exchange last week, being the first sample ever shown in this country.

It is said that the new Commission Agriculture is considering the idea of bandoning the distribution of seeds to congressmen for their constituents, and we at least reconstruct the bureau.

Michael Alderfen, the octogenarian president of the Herkimer bank, of East Greenfield, Pa., has committed suicide by hanging. He heard rumors of crookedness in his accounts, and his mind was affected by the story.

Don't sit down on a railroad track to res.

James Holey, of Sandwich, Ont., did so as he was returning from a party, fell asleep and was struck by the cars. As a consequence his minus his right leg and also has a broken

Ohio miners were in session at Columbulast week. The object is to consider the general depression of the trade. Among the remedies proposed is the stoppage for a certain length of time of all the mines in the State.

At Des Moines, Ia., the courts have affirmed the validity of the Glidden barbed wire patents. This is a serious blow at the Washburn & Moen monopoly, and, it is claimed leaves that company but one patent to do bus! ness on.

Riel, the leader of the half-breed insurrec-tion in the Northwest, was captured after the three days' fight at Batoche. What disposal will be made of him is not yet known, but if the volunteer troops have their way he will have short shrift.

It is reported that a battle occurred near Misa, Mexico, between Mexican troops and the Yaquis, on Wednesday of last week, in which 80 Mexicans and 300 Yaquis were killed. Little between 10 the cover of the fight as the government of the cover of the c tle is known of the fight, as the go rohibits reports.

Highwaymen have begun operations in northern Idaho on the regular stage routes into the new Cœur d' Alene mines. Two stages were recently "held up" in a single afternoon, and the passengers compelled to hand over their valuables.

Prof. Riley, entomologist of the agricultural department, says we may expect a speedy vision two great swarms of 13-year and 17-yea locusts, which will principally damage fruit trees, but not to a very great extent. Tag will remain till late in July.

Canada congratulates herself that the rebellion in the northwest has been quelled the decisive battle at Batoche. The half breeds are surrendering in numbers and so they were forced into the uprising. Riel will be hanged—when they catch him.

The Y. M. C. A. convention which met a Atlanta, Ga., last week heard reports showing that the 850 associations in the country har 112,000 members, who are served by 42 tecretaries and assistants. The association wn \$4,300,000 worth of property.

At Lititz, Pa., Mrs. H. P. Fansen, while is ane from religious excitement, took her five hildren to the mill pond and threw them all Into the water, then jumped in herself. Two
of the children and mother were drowned, the
others were resucitated with difficulty.

It was recently stated in this column that the cash in the U. S. Treasury had been coun-ed and found two cents short. The missing pennies were afterwards found on the floor of the cash room. Ex.Treasurer Wyman's accounts have been found correct in every par It is feared there will be a war of races in

Bibb and Clinton Counties, Ala. The trouble grew out of the recent assault on a white woman by a negro and the lynching of the negro's father in consequence thereof. The sheriff, fearing an uprising, has called on the governor for troops. A three story brick building at Charlotte, N. C., fell to the ground, a mass of ruins, on the 14th. The ruins immediately took fire. Fortunately the inmates were warned by the

rotatiately walls and escaped, so no lives we lost. The disaster was caused by the excaution of a cellar adjoining. E. W. Goddard was arrested at Minneapolis Minn., last week, on a charge of having embezzled \$15.000 from Austin Corbin & Co., bankers of New York, twelve years ago, when he was seventeen years of age. He confessed his guilt. He had won a high social and business position in Minneapolis.

Wendell Phillips' estate was supposed to be worth about \$20,000. Last week the appraisers reported it was worth only about \$8 300. The property consisted principally if money and other stocks now worth about of money and other stocks now worth about the value of the paper they are printed on though at par value they represent tens of thousands of dollars.

A young man has been arrested at Chicago charged with circulating obscene literature among the habitues of a skating rink. He gave an obscene book to the young daughter of a wealthy resident of Calumet Ave., and was promptly hauled up by the irate father. olice and will be arrested for the same

governor-general authorizing the payment of £100 sterling each to widows of the Canadian voyageurs who lost their lives on the Nile mothers who have been left in destitute circumstances by the loss of a son who accompanied the expedition.

Sheriff Ragsdale, of Fannin Co., Texas, was a posse of 40 citizens, to arrest a party of desperadoes. The sheriff and a farmer named Buchanan were in advance of the party, and downing upon the men suddenly, were shot down in their tracks. Two hundred men at once left Bonham, intending to surround the party and the thorn beyond the power for murderers and put them beyond the power to do further damage.

It is boldly charged by certain papers that the Department of Agriculture at Washington is run at a wasteful cost, extravagant prices for useless seeds have been paid, the fund of \$100,000 is exhausted and the seeds cannot now be distributed. It is claimed as high as \$3 25 per bushel has been paid for sorghum seed, of which the same variety has been bought at \$1. There are over 200 lady clerks in the seed room and work cannot be found for them all. The Canadian troops under Middleton en

countered the rebel Riel's force at Batoche, and after a three days' fight the rebels were routed and the Canadian prisoners released. Riel and his lieutenants fied. Every house in Batoche was blown to pleces by shells. It is said the government victory is due to the generalship of Capt. Howard, an officer of the United States army, as Col. Middleton and his aids knew nothing of the Indian mode of warfare. The rebel loss is heavy; the Canadian force loses five killed and ten wounded. Middleton before the Batoche fight sent a proclaforce loses five killed and ten wounded. Middleton before the Batoche fight sent a proclamation in French to the rebel camp, saying that half-breeds and Indians who had been forced to join the rebels, or those who wished to surrender, might come in and go home under guaranty of protection, and that the war was against Riel and his chief councillors only. The scout who took the message never returned, and it is thought he was slain by Riel.

The difficulty between Russia and England is by no means settled. War is not yet averted and it is said warlike preparations still continue in Russia.

Later reports from Iceland show that the April avalanche swept 15 houses into the sea and drowned 24 persons. Fifty fishing boats were destroyed. The loss in one village alone was \$20,000. Military men in the Soudan are pleased with

Gladstone's abandonment of the inglorious campaign but English residents at Cairo and elsewhere, especially those commercially in-terested, are astonished, and preparing to leave A mob of 10,000 persons met in Trafalgar

square in London last week to protest against an increased tax on spirits and beer. The crowd was very unruly and bad afight with the police, in which the rioters came out the police, in which the rioters came of ahead. When you touch a Briton's beer yo touch a tender and beloved thing. England has demanded from Russia

England has demanded from Russia a definite piedge that she will respect the new Afghan frontier, and that in any circumstances she shall renew her assurances concerning the integrity of Afghanistan outside of the atpresent-conceded Russian sphere. The London Globe asserts that Russia has refused to accede to England's request and that she goes to the length of demanding further concessions. Komaroff writes Russia that the Saryks are bitterly opposed to the new frontier line now under discussion by the Russian and English government. The general says the reason given by the Saryks is that the proposed boundry gives the best of the disputed lands

to the Afghans. Immediately on the rece of this dispatch a council was held, and it w decided to support the claims of the Saryks

Farm Taw.

May 19, 1885

Inquiries from subscribers failing under t.
head will be answered in this columnif the repi
are of general interest. Address communication to Henry A. Haigh, Attorney, Buhl Block, Detr

Highway Law, Straying Cattle, Et ALMONT, May 12th, 1885

Law Editor of the Michigan Farmer. Please inform me through the MICHIGA FARMER what the pathmaster's duty is regard to the impounding of stray an ls. If a person, not a pathmaste uld find animals running at large upo his property or in the road adjoining, whe should he do? Would the pathmaster l obliged to impound them if ordered to coop, and what would be the penalty should so, and what would he collect as he refuse? What fees could he collect as het steps should be taken to collect then what steps should be taken be not would the aw uphold any person, not would the aw uphold any person, not pathmaster, in impounding stray anima and collecting fees fixed by law? Who ld be the lawful way to treat anima after impounding , especially cows givin

What is the law in regard to the widt of the highway, also in regard to obstruc-ing the highway by rail piles, wood piles with many farmers etc., as is common and side often frighten horses and cause serious incor nience if nothing more. By answerin the above you will oblige many readers of your valuable paper. Yours. Yours. E. R. STONE.

Answer .- In those counties where ca tle, horses, sheep and swine are forbidde to run at large on the highways by Char ter 59 Compiled Laws 1871 (Chapter Howell's Statutes), it is the duty of th overseer of highways to seize and take in to his custody, any animal so forbidde to run at large, which may be running large in any highway of which he is over seer. It is also lawful for any private in dividual to seize and take into his custod any animal unlawfully running in th highway opposite land owned or occupie by him or which may be trespassing upo premises owned or occupied by him, th animals when so taken up, whether by th pathmaster or by a private person, are di posed of as provided in Section four the Chapter above referred to. The perso making the seizure is entitled to "reason able compensation" for his trouble, to b estimated by the justice. The law for distraining and impounding beasts foun going at large contrary to law, is still i force, and may be proceeded under parties desire (see Compiled Laws, "7 Chap. 214). The pound keeper mus furnish animals impounded with suitabl food and water, and give them such car as they require. All country roads as laid out four rods wide. In case any say logs, cordwood or other obstructions, an left upon the highway, the overseer of the highway may notify the owner, i known, to remove the same within three days. If they are not so removed, or the owner be unknown, the overseer ma remove the same to some convenier place. He must hold them three months subject to the order of the owner upo paying the necessary expenses of remova after which he may sell them, the sam as a constable sells goods taken on execu tion. After deducting from the proceed the expenses of removal and care of th property the balance is paid to the owner Laws 1881, p 308. If the obstruction amounts to a nuisance any citizen has th right to abate it. But in so doing h takes upon himself the burden of proving that it was a nuisance. If injury i caused by the carelessness or wilfulness o highway, such person is liable therefor

NEW ADVERTISEMENTS.

Central Michigan Agricultural Society'

tion for damages.

SPRING FAIR,

Lansing, June 9, 10, 11 & 12, 188 Grand Exhibition and Sale of Farm

Machinery. The best place to compare the leading machine in the west, and the best place in the State to bu

Fair opens at 8 a. m.; races called at 2 p. m.

SPEED PROGRAMME. TUESDAY, JUNE 9.

No 1-3130; 3 years old or under: 1st, \$75; 2d \$35; 3d, \$25; 4th, \$15. No. 2-\$200; 245 class: 1st, \$100; 23, \$50; 3d, \$3 4th, \$20. WEDNESDAY, JUNE 10. No 3—\$150; 4 Year olds or under: 1st, \$75; 2d \$35; 3d. \$25; 4th, \$15. No 4—\$350; 2:27 class: 1st, \$175; 2d, \$85; 3d, \$55

THURSDAY, JUNE 11. No 6-\$300; 2:35 class: 1st, \$150; 2d, \$75; 3d, \$45

4th, \$00.

No 7—\$200; Double teams, either pacers or trotters; both horses of a team must be of the same gait: 1st, \$100; 2d, \$50; 3d, \$30; 4th No 8—\$300; Running (mile, 2 in 3): 1st, \$150; 2d \$75; 3d, \$45; 4th, \$30. FRIDAY, JUNE 12.

No 9-\$200; 3:00 class: 1st, \$100; 2d, \$50; 3d, \$30 ecords made at Spring Meetings in 1885 will bar at this meeting

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Entries close on Saturday, June 6.

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Shorthorn Bulls For Sale

I have four high-bred young Shorthorn bulls of carra individual merit, and fit for service, which will sell at reasonable prices. Also a few goo heifers. Address T. M. SOUTHWORTH, in your Allen, Mich.

000 sacks of Russian ne best American production on the New York week, being the first discountry.

.1885

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Highway Law, Straying Cattle, Etc. ALMONT, May 12th, 1885. Law Editor of the Michigan Farmer.

Please inform me through the Michigan FARMER what the pathmaster's duty is in regard to the impounding of stray animals. If a person, not a pathmaster, should find animals running at large upon his property or in the road adjoining, what ld he do? Would the pathmaster be obliged to impound them if ordered to do so, and what would be the penalty should he refuse? What fees could he collect and t steps should be taken to collect them? Would the 'aw uphold any person, not a pathmaster, in impounding stray animals and collecting fees fixed by law? What would be the lawful way to treat animals after impounding, especially cows giving

What is the law in regard to the width What is the law in regard to the width of the highway, also in regard to obstructing the highway by rail piles, wood piles, etc., as is common with many farmers? Such objects placed by the roadside often frighten horses and cause serious inconvenience if nothing more. By answering the shave you will obline many readers of the above you will oblige many readers of your valuable paper.

Yours.
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NEW ADVERTISEMENTS.

Central Michigan Agricultural Society': SPRING FAIR.

Lansing, June 9, 10, 11 & 12, 1885 Grand Exhibition and Sale of Farm

Machinery. The best place to compare the leading machines in the west, and the best place in the State to buy

Fair opens at 8 a. m.; races called at 2 p. m. each day. SPEED PROGRAMME.

TUESDAY, JUNE 9. No 1-5150; 3 years old or under: 1st, \$75; 2d, \$55; 3d, \$25; 4th, \$15.
No 2-8200; 2:45 class: 1st, \$100; 23, \$50; 3d, \$30 4th, \$20 WEDNESDAY, JUNE 10.

No 3-\$150; 4 year olds or under; 1st, \$75; 2d, \$35; 3d, \$25; 4th, \$15. No 4-\$330; 2:27 class: 1st, \$175; 2d, \$85; 3d, \$55; 4th, \$26. 4th, \$35. No 5-\$150; Running half mile, 3 in 5: 1st, \$75; 2d, \$25; 3d, \$25; 4th, \$15. THURSDAY, JUNE 11.

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No 10-\$300; \$2:25 class, pacers: 1st, \$150; 2d, \$75; 3d, \$45; 4th, \$30. 
No 11-\$400; Free for all trotters: 1st, \$200; 2d, \$100; 3J, \$60; 4th. \$40.

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Records made at Soring Meetings in 1885 will not bar at this meeting.

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If, owing to bad weather or other unavoidable cause, the Association shall be unable to start one

cause, the Association shall be unable to start one or more of its races on or before 4 r. M., Friday June 12, such race or races may be declared off, and entrance money therein refunded.

A horse distancing the field, or any part thereof, sets one premium only.

Heats in each day's races may be called alternately. nately.
Entrance Fee, ten per cent of purse as follows:

Five per cent MUST accompany nominations; the temaining five per cent MUST be paid to the Secretary at or before 6 P. M. of the day before the race. Parties failing to pay the second five per cent to forfeit the first only.

Entiries close on Saturday, June 6.

Races to be governed by the Rules of this Association.

BEN B. BAKER, Secretary.

Shorthorn Bulls For Sale. Two bulls thirteen and twenty-one months old.
Sired by Lord Barrington 2d and 31st Duke of
Hillsdale. Solid red, good individual animals
and will be sold very reasonable if called for soon
H. C. RICHARDSON,
Sandstone, Jackson Co., Mich.

Shorthorn Bulls For Sale. I have four high-bred young Shorthorn bulls of this individual merit, and fit for service, which I will sell at reasonable prices. Also a few good helfers. Address T. M. SOUTHWORTH, Inyout NEW ADVERTISEMENTS.

NEW ADVERTISEMENTS.

Great Shorthorn Sales!

CENTRAL ILLINOIS

Tuesday, June 2,1885

Messrs. J. S. Highmore, of Rochester, Ill., and H. E. Gardner, of Bradforten, will at the Fair Grounds, Springfield, Illinois.

40 HEAD of COWS, HEIFERS and BULLS.

Representing the following families: Yourg Marys, Nelly Blys, Gwynnes, Lady Newhams, Phœbies White Rose, Victoria, Gem by Broker, including the imported cow, Autumn Queen, and two of her WEDNESDAY [Next Bay], JUNE 3, 1885,

Messrs. J. N. Brown's Sons, of Berlin, Ill., D. W. Smith, of Bates, S. E. Prather, of Springfield, will sell at Fair Grounds, Springfield, Illinois, 60 HEAD of COWS, HEIFERS and BULLS.

A good lot of Show and Prize Cattle of such families as Illustrious, J Barrington, Mazurka, Young Marys, Western Lady, Nolly Blys, Forest Queens, Waterlillys, White Roses, Young Phillis, Rose of Sharons, Violets; 11th Duke of Athol 38284, will be included in the sale. Sale to commence at 11 a. m

THURSDAY [Next Day], JUNE 4th, 1885. J. H. Potts & Son, will sell at their farm (end of Street Railway) at Jacksonville, Illinois

35 HEAD OF SUPERIOR CATTLE. of such families as Young Marys, Young Phyllises, Amelia Desdemonas, and also some representatives of our Cruickshank families, a grand lot of young bulls will be offered. Also the three year old Cruickshank bull Imp. Vantrop 55160, a grand breeder and Show bull.

FRIDAY [Next Day], June 5, 1885, At the Fair Ground, Camp Point, Ill., J. W. Moore, Mound Station, Ill., and W. W. Byram, of Abington, Ill., will sell about

60 HEAD OF WELL-BRED SHORTHORNS

Of the following leading families: Young Phillis, Young Marys, Barringtons, Waterloo J., Mazurkar Ruhy, Mistletoe, Lany Athol, White Rose, Lady Aylesbury. Pomons, Louans. The Grand 6th Duke of Barrington 5680, will be included in this sale. These sales will embrace some of the best Shorthorns in the country, all being from first-cless herds, and all accessible and conveniently arranged for visitors to attend. For Catalogues or any particulars, address the parties as above, or J. W. & C. C. JUDY, Auctioneer.

June Series Kentucky Shorthorn Sales. 400 Head of Finely-Bred Cattle.

JUNE 8th, Hon. W. E. Simms and James Ingles, Messrs. Bell, Schooler, Ashurst & Co., at Ingleside, Hutchinson, Ky., will sell 80 head of choice Shorthorns: Golden Drops, Princesses, Ianthas, Young Marys, Illustrious, Rose of Sharons, Pomonas, &c. All regular trains both ways on K. C. R. R. will stop at Ingleside on day of sale. JUNE 9th, Messrs. J. A. Thorne & J. T. Marshall of Millersburg, Ky., will sell 50 head of nicely bred Shorthorns at Paris, Ky., of the following families: Cypresses, Craggs, Gems, Young Phyllises, Young Marys, Red Daisles, Princesses, Garland Duchesses, &c.

JUNE 10th, Mr. Jas. Hall and Hon. C. M. Clay Jr., will sell at Paris, Ky., 70 head: Pomonas, Red Daisies, Jessamines, Galateas, Miss Wileys, London Duchesses, Lady Carolines, Roan Duchesses, Goodnesses, &c.

Ducnesses, Goodnesses, &c.

JUNE 11th, Mr. Horace Miller, New Forest, Paris, Ky., will sell 75 head of choice individual
Shorthorns: Duchesses Daisies, Miss Wileys, Western Prides, Scraphinas, Rose of Sharons,
Jessamines, Young Marys, Pomonas, &c. Loudon Duke 55th 52539, the best bull of this family
living will be included in the sale. An extra train will be run from Paris, Ky. on the day of sale. JUNE 12th, Mr. Joshua Barton, Millersburg, Ky., will sell from his celebrated Hinkston Herd of Bates Shorthorns, a select draft of 60 head: Barringtons, Wild Eyes, Peris, Kirklevingtons, Roan Duchess, Renick Roses of Sharon, Young Marys, &c.

JUME 13th, Messrs. W. N. Offutt, Joseph M. Hall and Joseph Evans, Georgetown, Ky., will sell at Lexington, Ky. 60 head of choicely bred Shorthorns: Marys, Gems, Carolines by Newtonian, Red Daisies or Desdemonas, London Duchesses, Goodnesses, Wild Eyes, Lady Bates Mazurkas, Resamonds, Statiras, and will include the fine Bates bulls, Baron Bates 12th 37541, Loudon Duke 57th 52540 and Lord Barrington 3d 60279. For catalogues address the parties making the sales at their respective post-offices. Terms cash, or four inonths negotiable paper, with approved security, with 8 per cent interest.

GRAND RAPIDS HERD

-of-HOLSTEINS. OR DUTCH-FRIESIANS,



About 100 head of both sexes and all ages. Several head of **bulls ready for service**, age up to two ages. Choice cows and heifers bred to my prize bulle **Prins Midlum** and **Jonge** my prize bulls Frins instantant. A specialty of young pairs not akin for feundation stock.

Everything registered and guaranteed pure-bred. Write for catalogue and prices or come and see the herd.

M. L. SWEET, 23 Pearl Street, (Sweet's Hotel Block), Grand Rapids, Mich sep2-

Shorthorn Bulls For Sale. Two well-bred bulls one and two years old. One a Kirklevington, the other a Young Phyllis, the latter bred by Wm. & Alex. McPherson, Howell. Mich. Color solid red; kind and all right; will sell them cheap as I have no further use for them. THOS. BIRKETT, my13-2t Birkett, Wa-htenaw Co., Mich

HIGH-BRED SHORTHORN BULLS For Sale.

All sired by Lord Kirklevington of Eric 44182, red and red and white in color, with pedigrees of dams tracing straight to the herds of well-known English breeders. Terms reasonable. Address C. F. MOORE, 028-tf

Dutch-Friesian Service Bull YKEMA, 214 F. H. B., 322 D. F. H. B. YKEMA, 214 F. H. H., 322 D. F. A. B. Ykema was calved March 9th, 1882, imported in 1883 by M. R. Seeley; Sire, De Nijlander 105 F. H. B. Dam gave 70 4-10 los milk in one cay on hay alone. Ykema won diploma for best bull of any age at Grand Rapids in 1883; first prize at Toledo in 1884; first rive and Sweepstakes at Michigan State Fair at Kalamazoo in 1884; first at Filint, Pontiac and Fa m ngton in 1884. Stock handled with care but at owner's risk. Pasture, fifty cents per week. Service fee, \$25. Young stock for sale, M. R. SEELEY & CO., a14-13 North Farmington, Oakland Co., Mich.

A. J. C. C. JERSEYS FOR SALE. Two handsome and well bred yearling helfers, one fine cow six years old, due in November by a good bull; also two splendidly bred cows, three years old and served by one of the best Stoke Pogis III Victor Hugo bulls in the country. This stock is well worthy the attention of breeders and is offered at moderate prices.

H. JAMES,

Room 31, Newberry & McMillan Bullding, m12 4t

Detroit, Mich.

High-Bred Shorthorn Bulls For Sale Parties desiring a first class bull will find it to their interest to look our stock over before buying elsewhere. They are of high individual merit and breeding. Prices low; terms easy. Address mr31 tf Homer, Calhoun Co., Mich.

**Greenwood Stock Farm** Poland-China Swine a Specialty.

I have a prime lot of March and April pigs that rill be ready for shipping as soon as weaned, tock recorded in Onlo Polana-China Record. forrespondence and inspection invited. Little Prairie Ronde, Cass Co. Wiel

B. G. BUELL, DUTCH-FRIESIAN, Also called Holstein cattle. Some very fine bull calves for sale. Stock at Lapeer, near railroad station.

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A Direction of the Bred and owned by Levi Arnold Plainwell LEVI ARNOLD

Riverside Stock Farm PLAINWELL, MICH. - BREEDER AND SHIPPER OF-

Pare-bred Recorded Poland China Swine Registered Jersey Cattle. (A. J. C. C. H. R ...) and Registered Merino Sheep

Poland Chinas still a specialty. Herd established in 1869. Is once and one-half the largest herd recorded in the Ohio Poland China Record; there being only one other herd that has half so many recorded animals. Riverside herd is emphatically a herd of prize winners. Stock all dara in color and faultless in style, consisting entirely of the most noted families of the day. Eight grand stock boars head this herd, all of choicest breeding and highest individual merit, thus enabling me to breed each and every sow to just such a boar as is best adapted to her. Special rates by all Express Companies. Can supply stock in pairs, herds and car loads. Stock all recorded in Dhio P. C. Record, therefore they are all eligible to all the P. C. Records. Nearly one hundred elegant sows, all ages, safe in pig by best stock boars now on sale, besides a superior lot of boars ready for service. Special reduction in price of all boars beginning January 15, 1885, to last thirty days. A superior lot of pigs fall of 1884 also on sale at great bargain. This herd has no superior for elegant style, symmetrical forms and combined color, constitution, size, early fattening qualities.

A choice lot of young, solid-colored A. J. C. C. H. R. Bulls for sale cheap. Rich in the blood of Alphea, Rioter 2d, and other noted strains. For prices and particulars address as above. All corres-condence promptly answered. mr29-15

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Walkerville, Ont., Canada. HIRAM WALKER & SONS. Proprietors. ROBERT PINCHIN, MANAGER. - IMPORTERS AND BREEDERS OF -

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Shorthorns For Sale. Bulls, Heifers, Calves and Cows. Choice milking strains. All Herd Book registered. Will be sold very reasonable at private sale.

B. J. BIDWELL, Tecumseh, Mich

A. J. MURPHY. Breeder of Pure Bred Recorded POLAND CHINA SWINE, PLAINWELL OR SILVER CREEK, MICH.

My herd is dark in color and bred from the most noted herds of Ohio and Michigan. Pigs stred by Arnold's Sambo, Black Tom, Hopeful, Murphy' W. S. and Dixie. Stock first class. Price reasonable. Special rates by express.

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Breeder of thoroughbred Shorthorns. Stock
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Young stock
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horoughbred and grade Jerseys and Berkshiroughbred for sale. Write for prices. f14-1; WM. WHITFIELD & SONS, Lakesid. Stock Farm, Waterford, Oakland Co., breed ers of thoroughbred recorded Shorthorn cattle an Hampshire sheep. Stock for sale.

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A T. SHORT, Coldwater, breeder of thorough-

A T. SHORT, Coldwater, breeder of thorough-bred Merino sheep. Stock in both Vermont and Michigan Registers. Stock for sale. Corres-pondence solicited. mys-em E. LOCKWOOD, Washington, Macomb County, breeder of Registered Merino Sheep A twood Stock, descended directly from the Jammond flock. Stock for sale. Correspondence

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dealer in American Merinos of pure Atwood blood. All stock registered. Good stock rams for sale at prices to suit the times. Correspon-dence solicited. TAMES MCGREGOR & SON, Metamors,

Lapeer Co., breeders of thoroughbred regis-red Merino Sheep. Stock for sale. my18-y JAMES M. KRESS, residence Bridgewater, Washtenaw Co., breeder of registered Merino sheep. Stock for sale. P O address, Clinton, Lenawee County.

JAMES W. BESLEY, Maple Shade Farm Eureka, Clinton Co., breeder and dealer in Eureka, Clinton Co., breeder and dealer i merican Merino and grade sheep; ewes and ram or sale.

C. THOMPSON, Romeo, Macomb County breeder of Thoroughbred Registered Merin-heep; also Poland-China Hogs. Stock for sale correspondence solicited. may5-ly JEVARTS SMITH, Tpalianti, breeder of thor oughbred Merins Sheep, registered in Vermon: Register, Rams and ewes for sale of my own breeding, together with recent selections from some che best focks in Vt. Examine before purchasin elsewhere

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Three young bulls fit for service, well bred and good individual animals. Also some choice heters. Terms reasonable. Correspondence solicited. Address L K. BEACH, HOWELL, MICH. f19-tr



WHEN MARTENS FOLLOW SPRING.

On the roof tree sparrows chattered, And the gathering martens cried; Autumn's gold the glades bespattered, As a lover's arts ( plied-As I pleaded, "Oh, belov'd one! on my bosom fol the wing."

"Yea," she answered-looking upward-"when the martens follow spring.'

Be I watched the snowflakes falling, ith a gladness naught could chill, Joys which patience must fulfill.

For, within, I whispered, lowly, "To this break my love will cling When the bloseoming hawthorn reddens, and the martens follow spring." how we used to squabble and fight, Hel-

Soon the violet doffed her cover,

Catkins tressed the hazels over, And the gorse flamed on the fell. Then I knelt, and whisp'ring, pleaded, lov'd, the thrushes sing!

Paint she answered, "For me never will the m tens follow spring.' Close I looked and on her forehead

Marked the pencillings of pain; Saw her limpid eyes full stored, Like fringed pools o'erfed with rain. And I cried aloud, sere stricken, "Oh, below one! stay thy wing! For life cometh, cometh surely, when the marter

follow spring." They are chattering, chattering gaily,

As their nests they mend with care; And I watch them, watch them dai'y, With a dumbly blank despair;

For they home returned from roaming, but in love on tired wing, Had just mounted up forever, when the marten

followed spring. - Cassell's Magazine.

IN ANSWER.

"Lang's and the world laughs with you." Yes, if sees the joke; For there's many a quip the world lets slip, That would make a humorist choke.

Sing, and the hills will answer." As they do if you loud enough weep; If your song is low and its rhythm slov The echoes will sigh and sleep.

"Rejoice and men will seek you." You'd grieve if they stay'd away; On a desert isle one would seldom smile, And gloom would be king all day. Be glad and your friends are many:

"Be sad, and you lose them all" There was once a cat—have you never heard that That cherished some mousies small.

\* Feast and your halls are crowded." Yes, if the dinner's good! Succeed and give, and it helps you live;" It would, of course, if it could.

There is room in the halls of pleasure For a large and lordly train." We are very glad, it would be quite sad

If a part stay'd out in the rain! -Norristown Herald.

# Miscellaneous.

## QUEST OF A HUSBAND

"It is uphill work. Life is not all bee and skittles, is it."

"I have not found it so certainly!" Captain Langton looked across at the proud, handsome face of Helen Stanley, then glanced around the shabby, ill-fur nished little room. His blue eyes were full of sympathy and genial friendliness when he turned them again in the direction of his companion.

"Poor old Helen!" he murmured. is hard lines.'

These two had known each other well in surrounded by the comforts and luxuries that it seemed natural to suppose would always belong to the only child of the wealthy Robert Stanley. Fast friends they were before an unlucky turn of Fortune's wheel left Helen stranded—the money spinner gone, and with him the whole fabric that had been so substantial. They had been boy and girl together, and it was to Helen that George Langton first confessed his determination to "go to sea," with his father's approval if possible and without it if needful.

George Langton's professional dutie had necessarily frequently interrupted the even course of his friendship, and since Helen's reverses it had been in danger of total collapse.

"I had such a hunt for you," observed the Captain presently. "No one could tell me where you had stowed yourself. Were you surprised to see me?"

"Not very. I saw by the paper that your ship had come in."

The calm tones of her voice told noth ing of the eager search she was in the habit of making for information respecting the vessel, or of the intense interes with which she marked out its course and speculated as to its whereabouts:

"I wish then you had saved me all thi

trouble by letting me know where you were to be found," said the captain, in matter of fact way. Helen smiled a significant little smile

"I see. What a pity it is you are s proud, Helen! I always told you it spoils

"Proud! I?" she asked, with raised eye brows.

"Yes-proud as Lucifer and as obstin

she interrupted him with a burst o

laughter, harsh and forced. "I have so much to be proud of

haven't I?" she said, with an ironical sweep of her hand around the dingy room. Captain Langton was silent for a little while. He felt anneved, and almost wished he had made no effort to find her out He had come so full of generous good will and pity for her, and she seemed so deter mined with her cold manner and super cilious voice to resist his advances. He would so gladly help her if she would let him; but the old family relation seemed broken up, all the freedom and good-fellowship gone.

"You are changed, Helen," he said, a length, with something like a sigh. 'Changed? How am I changed?"

"I cannot exactly define how; but you are awfully changed. What has become of all the sparkle and dash?" "I have had it rubbed out of me. I sur

"Poor Helen! Then, as if impressed with the force of a sudden conviction-

'I cannot think how it is you have not

She looked up quickly; her pale fa flushed crimson.

"It is strange, seeing what opportuni ties I have," she answered, with quiet sar "You must have had lots of chance though.

"If I had, I let them go. Men don't marry penniless governesses." "You are clever," he continued, with brotherly frankness; "and most fellows

would call you handsome." "Which means that you don't." "I never did, you know. I don't ad-

mire dark women.' "You are candid at all events." "We two never waste much sentiment upon each other. Don't you remember

en?" said he, laughing. She did not join in his mirth, and ther was an awkward pause in the conversa tion. She was very difficult to get on

"It must be lonely for you," he observed, making another effort to break through the barrier of reserve that she seemed bent upon setting up between them. "But you have friends-you see

people sometimes?" "My pupils and my landlady-and her

husband occasionally." "Pshaw! I mean men and women of

your own class." "I have no class. My friends have drifted away from me."

"Or you from them?" "As you like. It comes to the same

thing."

There was silence again. Helen sal with her hands clasped loosely in her lap, and a face as cold and impenetrable as that of the Sphinx. Captain Langton seemed to have fallen into a brown study, with his eyes fixed upon the fire in the

tiny grate. "I have it," he cried, suddenly waking up, his face full of the energy and mischief that Helen remembered as two of of the Edinbro' Castle and she sped away its chief characteristics-"I have it. gracefully from the shores of old England. Look here, Helen! What is the use of The bustle and confusion of departure your muddling on like this?"-with a com- had not subsided when Captain Langton prehensive glance which took in the contents of the comfortless little chamber. 'Suppose we two lay our heads together and go to work systematically in search of a husband for you?"

She looked at him for a moment in be wildered surprise, then burst into laughter. The vehement earnestness with which he made this droll proposition was irresistible, and her mirth was genuine enough in spite of herself. Delighted with his success, Captain Langton continued-

"I am not joking. It is to be done, I tell you. There will really be no difficulty about it, if you will put yourself into my hands and obey directions. Let me see. I have it all arranged. You must act the restless misery of her glance. the part of widow-you used to be a good hand at acting, Helen—take a passage in the Edinbro' Castle, and before we reach Melbourne I wager you anything you like the thing will be done!"

"What nonsense you are talking, George!" she exclaimed.

But her eyes from some unknown cause were kindling into fire, and her face seem ed to be catching some of the life and energy of his. "It isn't nonsense! I have often

thought it would be a most interesting campaign, and perfectly legitimate. You the "better days" when Helen had been are wasting your life here. You would nake a capital wife for some fellow, I'm convinced. Of course you shall have freedom of choice in the matter. Why, it is the simplest thing in the world! Men have nothing else to do on board a sailing vessel but to quarrel among themselves and fall in love with the women."

"How have you contrived to escape then?" she asked coldly.

"I? Oh, I'm not a marrying man! Besides, the captain has the ship to attend to. It is only the passengers that get into

the messes of that sort. I have seen some odd love-making and some strange match-

"And you seem anxious to add to your experience."

"No. I only want to see you comfortably settled and happy."

"The possibility of your having no passengers 'heart whole and fancy free does not appear to enter into your calculations."

"I don't care what the state of a man's heart may be when he comes on board: with a little management a clever womer can twist the wariest and most indifferent

round her little finger before she has been at sea a week." "Providing there are any to twist."

"I'll see that you don't take your pas age till we're satisfied on that point."

"Suppose half a dozen other maiden embark with the same worthy object, all possting of metal more attractive than myself?"

"You have not much to fear. Widow have the advantage of unmarried girls, I notice; they have more liberty. A starlit night, time hanging heavily on a fellow's hands, and a good-looking widow clinging to his arm - Ah, I could put you

up to no end of wrinkles, Helen!" Whether Captain Langton was really serious when he first propounded his most original notion Helen could not say; but as he proceeded he grew very much in earnest, and there was a certain fascination in his hearty, vigorous method of argument. He went on enlarging upon the subject and filling in the details till he persuaded himself that it would be a desirable thing, a good thing, and, moreover, a very amusing thing to assist Hymen in his selection of a spouse for Helen. He grew more and more excited am afraid it is not one that will pay and enthusiastic as he saw that Helen's You'll lose the game with that face, Hel face was flushing and softening under the en." influence of some feeling which seemed to

of his youth. At last he rose to take his some hints." departure. "Then it is agreed, Helen," he said.

"You'll come on board as my sister. But is the melancholy sentimental widow— the rigging. Long parallel lines of black it at all. I will see you again to make final arrange- but I don't think that would suit your cloud, suggestive of rain, hung on the

"It will be as easy to find work in Aus-

tralia as here, I suppose?" Helen surmised, half to herself, as she also rose. "What do you mean? You will not

eed to work.' "I may fail, you know," she said, rais ing her eyes to his for a moment with an

expression in them which puzzled him. "You won't fail!" he replied confident

"If you play your cards even moderate ly well, you can't. Good-bye!"

He was gone, but the little room stil seemed to echo the sound of his laughter, and the cheery tones of his voice lingered yet on the air as Helen watched him disappear down the street in the twilight. When he had quite vanished from her view, she left the window, threw herself into a chair, and became absorbed in thought. Night came on, and the dark ness gathered round her, yet still she sat, her elbows upon the table and her hands supporting her head. The summer moon rose and flooded the room with her cold was the difficulty had never struck him and working under the influence of her hurrying thoughts.

"Why should I not?" she murmured nce. "I have no one belonging to menot a friend in the world; why should I not?" Then, in a lower whisper still-'At least, I shall be with him."

There was silence again for a long time, and then she started up suddenly, exclaiming-

"Oh, I do despise myself-I do-I do! As if this burst of passion had exhausted all her energy, she sank back into her chair, threw her arms upon the table before her, leaned her head upon them, and gave way to a helpless fit of weeping.

"Not wishing yourself back, I hope, Helen?"

Captain Langton asked the question little anxiously; there was something so spiritless in his companion's attitude such utter hopelessness in the expression of her face as she watched the long dim line of land growing more vague and shadowy as the fresh breeze filled the sails managed to steal a few moments from his pressing duties to have an interview with the lady entered on the ship's books as "Mrs. Stanley, widow," and already described by a few as "the Captain's sister." The sound of his voice roused Helen from her fit of abstraction.

"No. I don't know what I was wishing-it is too late to wish anything. I think," she said wearily.

"Don't look so wretched, for Heaven's sake, Helen! After all, what is it? You used to have lots of enterprise, and I know you are not afraid. What is the

matter? She looked up at him; but, not having the key, he was at a loss to understand

"How mean and contemptible you must think me!" she said, as if she had not heard him.

"My dear girl, I think nothing of the kind," rejoined he most earnestly. "It was my own suggestion, you must remember. But look here. Helen-if you feel it so much, let us give it up, and no harm will be done."

"You are mistaken. I don't want to give it up," she said quietly. "You are quite sure?" he asked, peer

ing anxiously in her white face. "Yes." "You are tired then," he said kindly.

Come in here; I want to speak to you." like to see you look like that. You know I am your brother now," he added lightly. She drew up her head proudly, and there was color enough in her face.

"What is it you have to say to me! she asked. "We must arrange our plan of action

Let me give you an idea of the material you will have to work upon." "Well?"

"I find there are no fewer than three fellows sailing with us any of whom would answer our purpose."

"And where am I to bestow my atten tions?" she asked ironically.

"Oh, that will be a matter for you to decide!" "But you will give me the benefit of

your advice?" "Of course. Now listen. There's young fellow named Collins going out to try sheep-farming."

"Not a lucrative employment, I should think," she interrupted. "He is of good family and has first rate

prospects." "And the others?"

"Well, there's Doctor Duff-been home for a visit-has one of the best practices in Melbourne and a capital position-and there is old David McBriar. Now there's a chance for you! One of the biggest men in the colony-a Justice of the Peace, and Heaven knows what besides! "Describe him further. What age

"Somewhere between fifty and sixty. But what do a few years more or less sulked by himself in a corner, and Helen matter after a man is past forty? He's a sought the protection of the feminine

long-headed Scot." "That doesn't sound promising." "Well, suppose you try Duff?" said h

gravely. "How shall I begin?" asked Helen; and she could not help smiling at the earnest business-like tone of his voice and manner. "Can you suggest any method?"

"That I must leave to you." "I should like to hear your ideas or the subject."

"Oh, you know better than I can tell you, Helen! You must act a part. "I am acting a part."

"If you are going to look like that, I "I don't expect to win," she muttered

transform the cold, proud [woman of an Then, raising her voice-" How would hour before into the warm-hearted friend you have me look? Suppose you give me "Well let me see-there are two or

style," he said, with a critical look at her horizon. The poop was deserted, with affairs thrust itself into his notice, mur upon deck, where the evening shadows

and there is the gentle, helpless widowthat is the most effective, if you could manage it. Ask advice about every mortal thing, from how to make profitable investments to the arrangement of your head-gear. Affect helplessness systematically, and throw into your conversation ed upon him. a few pathetic remarks concerning the

dear departed." "I will tell no untruths," she said "What is this then?" he asked, touch

ing her black gown. The angry color rushed to her cheeks but before she could reply they were interrupted by a knock at the door and a voice that announced that the pilot was

shortly.

about to leave the ship. "All right-I'll be with you directly!" cried Captain Langton. "I must be off," he added, turning again to Helen. "I have forgotten whether you said you were a good sailor; but in any case it will be well for you to keep your cabin for a day or so. It will excite interest and specuwith. Captain Langton wondered how it pale light, showing Helen's face changing lation, which I shall take care to encourage. By-the way, I shall keep a place for you at my table, and I'll manage to find room also for the fellows I spoke of." "Thank you," she said stiffly.

And he went away, saying to himself sadly-

"She is changed; there's no fun in her at all!"

A somewhat odd expression took pos session of Helen's handsome features as she turned in the direction of her own

"I wonder if there was ever such miserable woman in the world as I am? she murmured, when she had gained the tiny chamber which was to be hers during the voyage, and there was grim amuse ment mingled with scorn in the smile with which she asked herself the ques tion.

Captain Langton's suggestion was religiously carried out, and for the space of three days "Mrs. Stanley" remained a close prisoner in her cabin. At the end of that time she appeared in the saloon just as the passengers had settled down to breakfast, causing no small sensation by her advent amongst them. Her facwas exceedingly pale, and there were dark rings around her eyes, which wore a softened melancholy expression, infinitely touching, the "young fellow named Collins" thought. Indeed so altered was her whole manner and appearance that Captain Langton, rising to meet her, whispered, in a tone so concerned as to bring the truant blood fluttering to her cheeks again-

"Have you been really ill, Helen?" "No," she said, raising eyes to his in which he thought he saw traces of tears.

"What has been the matter then?"

"Nothing, except that I have been following your advice, and it wasn't very lively.

"We'll soon put that all right," sai he cheerfully; then aloud-" This is your place, Helen; allow me to introduce you to your neighbor. My sister, Mrs. Stan-

ley-Doctor Duff." And she found herself seated between that gentleman and Captain Langton, while the "long headed Scot," whose every faculty seemed at present to be concentrated upon his making a satisfactory meal, and the embryo shepherd, who employed all his time in gazing, sat opposite. It was evident that the heart of this hapless youth was all unprepared for attack, for he surrendered it weakly there and tion at all.

on board the Edinbro' Castle. It is wonderful how easily a clever and ingenious person of either sex may be come the centre and mainspring of a small community surrounded and confined by the monotonous ocean. Those who had already begun to feel the effects of ennu experienced a delightful sensation of curiosity the moment their eyes fell upon Mrs. Stanley's handsome face and grace ful figure with its clinging black drapery. Without apparent effort, from the hour she took her place in their midst till the day she bade farewell to most of them for ever, she became the centre of attraction of that small floating world. Admired, disparaged, praised, or blamed, she was a never-ending source of conversation and surmise. With consummate art she ingratiated herself with the matrons. stole the goodwill of the maidens, and took by storm the hearts of the men. She

sentiment and politics with Doctor Duff. and sang duets with the enamored Colling -in fact, was the pivot upon which all things social turned on board the Edin bro' Castle. Captain Langton, from his position of looker on at the game, marveled exceedingly, and was much perplexed. Could this be "acting?" Involuntarily he

played chess with Mr. McBriar, talked

found himself wondering and contemplating with as much interest as the rest. It was not long before it became apparent to all that the infatuation of "young Collins" was reaching a climax, and equally evident presently, when the youth

element, that some adverse current was interfering with love's course. "What's up now, Helen?" asked Captain Langton, seizing a brief opportunity as she passed him in the companion way.

"What do you mean?" "What is the matter with young Collins?" " How should I know?"

other fellows?"

"Do I treat you differently?" she asked calmly. "By George, I should think so! To them you are graciousness itself, to me

"I have no designs upon you, remember!" she interrupted, with a mocking laugh, as the escaped and ran past him lightly. It was evening, and the wind, which

seemed absorbed in contemplation of the her game, is it?" and fell into a fit of mus- glance around she hastened to the further straggling line of foam left in the vessel's ing, out of which condition he roused wake. Captain Langton, pacing the deck himself suddenly, exclaiming sotto roce, lazily with a cigar in his mouth, caught "Well, what does it matter to me?" Notsight of this figure, and made toward it, withstanding which philosophical interquickening his steps as recognition dawn-

"Is that you, Helen?" His voice startled her, so intently was she thinking. 'What are you doing up here alone?" he continued. "Why are you not below with the other passengers?"

"I am enjoying my privileges for once!" she retorted. "You must be cold; let me get you a

shawl," he said amicably. " No, thank you." "Well, let us walk about. I have some

thing to say to you," said he, offering his arm. "Confound it, Helen, you might be rdinarily civil!"

"Is that what you want to say to me?"

Captain Langton smothered an impa-

tient exclamation. For a little while they paced the deck in silence, which Helen seemed determined to make no effort to break.

"Why couldn't you be honest with me this morning?" asked Captain Langton at last.

"Honest with you? I don't understand; explain yourself." "Why did not you tell me young Collins had proposed?"

"Who said he had?"

" He did." "He is at liberty to do as he likes," said she carelessly. "I may be wrong; but I thought honest women kept little triumphs of that sort to themselves."

"But what about our compact?" "Our compact did not bind me to dupe ads of twenty!" she cried, her voice breaking into passion. "You need not remind me, George; I know I am acting a lie! I know and feel to the uttermos the mean and despicable part I am playing! Yes; and I know that it is of my own free will that I am in this position.' "Why did you encourage him, Helen?"

"I never encouraged him-never!" "He thinks you did." "It is absurd! I thought him a boy, and treated him as one. I never dreamt he could mean anything serious. Badly as you think of me, you must believe me. He could not see her face, but her tones and gestures were intensely earnest. "Be sides," she added, in a low tone, "I do

not care for him, and never can." At that moment a more pronounced lurch on the part of the vessel threatened Helen's equilibrium.

"Halloa! Steady!" cried the Captain. 'I knew you could not manage alone,' he said, drawing her hand through his

It was only a brotherly attention, there was no need for her heart to throb so wildly; nor for the matter of that was there any occasion for him to make such sitting in total darkness, the stillness unefforts to catch a glimpse of her face in the glimmering light.

asked me to use my influence." He was bending toward her, speaking eagerly, and seemed anxious for her an swer. As she made none, he continued-"As for caring for him, it seems to

"Then there is no chance for him? He

me married people get on very fairly without much of that sort of thing. Perhaps you like some one else?" he persisted. "I like myself," she answered impa! tiently at last, "too well to marry a beggar then, before the enemy had fired a single That is it. George," she went on, slipping shot or even decided to aim in his direc- her hand from his arm, and laughing recklessly, "I have discovered the nature

hould not be much better off if him than as I am." "Oh!" ejaculated the Captain, utterly discomfited by the sudden change in her.

"Is that how the wind blows?" "What did you say?" "You intend flying at higher game?"

"If I attempt to fly at all-certainly?" "Have you any chance of success?" "Very little; but 'he who aims at the sky means higher than he who shoots at

tree,' you know." "What an odd girl you are! I cannot nake you out!"

"That is scarcely to be wondered at,

seeing that I cannot make myself out. Good night!" He watched her till her fluctuating black draperies vanished from his sight. then turned to that never-failing comforter and friend, his pipe, and cogitated on the peculiarities of human nature generally and of feminine nature particularly. From that time forth the discerning observed a marked change in the behavior of the widow. It was clear to the most apathetic that the hopes of the enamored Collins had received a death-blow. No onger was it a pleasing task to contrive shady nooks for Helen's chair, arrange her cushions, interpose his umbrella betwixt her graceful head and the sun, coax for her a gentle breeze from the languid air with her fan, or read aloud through the lazy hours dreamy passages from the poets. The saloon never echoed now to the music of their mingled voices raised in song, and, when Helen strolled on deck

in the twilight, it was no longer poer young Collins who loitered beside her. As was to be expected, some applauded and some censured. There were those who considered that her conduct was just what it should be, seeing that the ardor of rage and pain, the flash of a knife in of the youth was over-stepping the con- the red lamp-light, and a woman's scream venient limits of friendship; and there as Helen dashed madly between the upwere those who condemned her behavior lifted blade and Captain Langton. as cruel and heartless to a degree. The number of the last increased when Doctor "I say, Helen," continued he, laying Duff seemed to be stepping in the place those of the preceding night that the his hand on her arm to detain her, "why left vacant. It was true that a few wise crew of the illfated Edinbro' Castle ap do you treat me so differently from all the acres convinced themselves and each other proached Melbourne Bay, and beheld persuade myself that it was nothing to that this was only an artful ruse on Hel- from the deck of the steamer that had me." en's part to rivet more firmly the chains wrought the mischief, the new land which that held the unhappy Collins captive, es pecially as they noticed the efforts the save life and hope. One solitary source young man made to get up counter flirta. of comfort and congratulation they pos tion with a girl in her teens. Collins, do. sessed in common—no lives had been lost; ing his best to cheat himself into the belief and in coatinual repetition of this surthat he was cultivating enjoyment and prising and astonishing fact they seemed revenge at the same time, with one eye at the service of his "ladye faire," and the other keeping jealous watch upon Helen by comparison, light. three characters you might take. There had risen, was moaning dismally through and the attentive Doctor Duff, did not like

rogatory, he was, curiously enough, un-

comfortably conscious of an inward con viction that he did not like it at all, either. In spite of himself, his judgment and inclination, this sentiment rather increased than diminished as he continued to watch Helen and her new admirer—she the deepening shadows. At last they with her pale earnest face, her features in separated and went off in different direcsilhouette against the evening sky-he all | tions. As Helen, making for the compananimation, bending down his head towards hers, totally absorbed.

"Confound him!" muttered the Captain. his eyes traveling down the ray of moonlight to where it caught Helen's white hand resting upon the Doctor's coatsleeve.

the minds of these good people could they say to you," he added, drawing her inhave heard the purport and drift of the side. apparently engrossing conversation. "She is the dearest girl in the world,"

emarked Doctor Duff emphatically. "She must indeed be charming," Helen replied enthusiastically. "And you are to be married next year, Doctor Duff?" "I hope so. How good of you to listen to me, Mrs. Stanley. You never speak of

"I have nothing interesting to tell, I uppose." "I cannot believe that," said the Doc-

vourself. I notice."

or earnestly; and Helen blushed, and the niserable Collins, regarding them jealously, gnashed his teeth and contemplated desperate things. So the days glided by; and this fraction

of the great world glided with them, the vices and virtues of its prototype well exemplified within its narrow area. For all outward excitement there was only the hailing now and then a passing vessel, or discovery of mas's on the horizon, the shooting of an albatross, or capture of a sunfish. Internally the voyagers were "kept alive" by trivial heart-burnings and jealousies, triumphs and disappointments, disputes and differences, urged with that pliant member the tongue in steerage and cabin alike.

Wind and weather had been kind to them, giving them but few of the terrors of the sea. On this night all private animosities seemed forgotten in general rejoicings, for, if luck still favored them. they hoped before another sun had set to sight the harbor lights of Port St. Philip. Helen Stanley was perhaps the only one for whom the prospect had no pleasure. While the mirth and merriment in the saloon were at their highest she retired with a dull sense of dissatisfaction to her cabin. Sinking into the solitary seat her diminutive chamber boasted, she passed in mental review the events of the past few months. She became aware at length that the sounds of laughter and noisy voices had sunk into silence, that she was broken save by the monotonous wash of the waves against the side of the ship and occasional tramp of the watch overhead. She rose and threw herself, dressed as she was, into her berth. She thought she was too utterly wretched to sleep; but in this she was mistaken, for it was out of deep and dreamless slumber that she was suddenly awake by a rude shock. With wildly-beating heart, half stupefied with sleep and fear, she raised herself to listen. Her ears were filled wi h sounds of crashing timber, the cries and oaths of men. and the noise of hurrying footsteps. Quickly slipping to the floor, she hasten. ed on the deck. Here a scene of confu-And now a new order of things set in of Mr. Collins' 'prospects,' and find I sion met her view. Men were running to and fro, dragging ropes and chains, ordering and counter ordering, swearing and ing to ner feet. shouting at each other. Everywhere were indescribable confusion and disorder. One of the masts, encumbered with its sails and rigging, lay across the deck, and through the misty night she could comfort in the midst of his disappointment just discern, a short distance from their from the reflection that, since this bonny

bows, the black hull of a large steamer. And now the passengers in various kinds of dishabille appeared hastily on the scene, mingling their cries and lamen. tations with the already deafening up

"We have been run into!" some one ex claimed. There was little need to explain what

had happened, though many were making inquiries in frenzied tones. "They are lowering the boats! We the right of love, dear," he whispered. haven't a moment to spare!" shouted a voice; and Helen felt herself being hurried along with the rest to where the ship's crew were straining every nerve in their

"Now, my lads, quick! Women and children first!" called out Captain Langton briskly. One boat had been safely filled and des patched, when two of the crew, detaching

efforts to clear and launch the boats.

"Stand back there!" criedCaptain Lang "Confound it all, we ain't going to die like rats in a trap! Come on, Bill!"

to the front.

themselves from the rest, pushed roughly

"I'll shoot the first man that attempts to leave the ship!" shouted the captain, drawing his pistol. "Every man for himself and God for us all!" muttered the fellow, suddenly seizing the rope in his hand.

There was the report of a pistol, a cry

It was with very different feelings from some of them would reach bankrupt of all

endeavoring, poor souls, to persuade themselves that other misfortunes were

end, from the shade of which hastened a dusky figure to meet her.

"You got my letter?" asked the figure

anxiously. "If I had not I should not be here," ans. wered she conclusively. "To be sure, to be sure!" ejaculated the

other. For the space of half an hour or so these two figures stood talking earnestly among ion-way, passed one of the deck cabina the door opened suddenly. Looking up the broad band of light thrown across the ground at her feet, her eyes encountered those of Captain Langton.

"At last, Helen!" he exclaimed, starting forward and catching both her hands It would have afforded much relief to in his. "Come in here; I have much to

"And I to you," said she.

"My own dear Helen!" he began in an ecstasy.
"Stop!" she cried excitedly. "Wait till I have finished. You have won your

vager, George!" "My wager?" he questioned, he vildered. "And I have won the 'long-headed

Scot'!" she continued, with an hysterical neal of laughter. 'What on earth do you mean?" "Don't you understand? How dull you

are! Our plot has met with the success it

deserved. Mr. McBriar has asked me to be

"And you said 'No,' of course?" "I said' Yes,' of course." "Helen!"

his wife!"

"Why did I come this voyage? Do you forget? Captain Langton gazed at her in utter perplexity. In all his experience he had never beheld her in such a strangely reckless mode. Some faint glimmer of a possible explanation of her conduct began to

dawn upon him. "You don't care for him, Helen," he said gravely. 'Married people get on very fairly

without much of that sort of thing," quoted she mockingly. "He must be at least twice your age." ""What do a few years more or less matter after a man is past forty; see how

well I remember your lessons!" "This is absurd, Helen; you shall not marry him!" cried Captain Langton warmly.

"Who will prevent me?" "I will." "May I inquire how?" she asked scorn

my sister?"

fully. "I will find some means, if I have to tell him the whole story.' "I have left you nothing to tell-he knows I am not a widow."

"Does he know also that you are not

"It was the sight of my sisterly devo-

"Helen, you are mad, I think! Wait

"What is this, my dear-what is this?"

She raised her eyes to his inquiringly.

tion and courage, he says, that perfected his regard! No. I have not told him that: but I will. Do not be afraid; he shall have nothing to find out."

here for a moment." After a short delay Captain Langton returned, ushering before him Mr. McBriar, who began the moment he caught sight of Helen-

"Ye should have been more straightforward wi' me, ye should indeed," he continued querulously.

"What has he been saying? How dare "I leave him to settle it wi' ye. I don't understand women and their ways." With this confession the "canny Scot" withdrew, not without deducing some English rose was not for him, it had been vouchsafed him to see that it possessed

thorns. "What have you done?' asked Helen dercely, when the door had closed on the

Scotchman.

Captain Langton answered quietly. "By what right do you presume to interfere in my affairs?" she asked haughti-"By a right you cannot question-by

"Saved you from yourself, Helen,"

"How dare you mock me?" she cried, eside herself with passion. "For heaven's sake be quiet. Helen, and listen to me! Last night-' "Last night I was mad," she interrupted, - "mad with fright. What I did or

take advantage and think-Oh!" She broke down, and, covering her face with her hands, wept passionately. "Be reasonable, Helen-do be reasonable, dear," entreated Captain Langton

what I said meant nothing at all and you

gently. "Leave me! Go! I hate you!" she sobbed impetuously. "And I love you and will not go till you confess that you love me too," replied he, seating himself determinedly beside

"I will never say so-never!" she returned emphatically. "Helen, darling," he murmured softly,

'I love you, and have always loved you, I think-don't move, dear-I swear I have! Do you remember the night we walked the deck together and talked of Collins? I had nearly told you then. After that, Duff seemed to be carrying all before him, and I thought it was his money and posi tion you were aiming at, and tried hard to

"How could you think so vilely of me?" sighed Helen, with feminine inconsist

"It is all r'ght now," said the captain cheerily. We'll have no more misunder ings, for you do love me, don't you, And Helen, utterly worn out, limp and feeble with the violence of her emotion, cou'd only whisper-

"So I have won my wager, after all," is the melancholy sentimental widow—
but I don't think that would suit your
style," he said, with a critical look at her
—"there is the sprightly, dashing widow,

There

nad risen, was moaning dismally through
the rigging. Long parallel lines of black
it at all.

Captain Langton, when the position of
affairs thrust itself into his notice, mur
there is the sprightly, dashing widow,

The passengers were most of them be
low, occupied with preparations for their
departure, when Helen Stanley hurried
upon deck, where the evening shadows
were collecting mistily. With a hurried

Were collecting mistily. With a hurried

Oserva Captain Langton triumphantly,
smiling down upon her later on when
there had been mutual admissions and explanations, "And you are not sorry, are
upon deck, where the evening shadows
you, dear, that you came the voyage In
Quest of a Husband?"

May 19, 188

When a man takes a loaf of bread, There's no appealing

But simple stealing. When some fat bank becomes the ai of thieves' assaulting, And loaded down the cashier skips,

Then it's defaulting; But when a higher genius comes To do the shearing, And yanks a railroad or a mine, It's inanciering.

Russia and England.

Said a Russian staff officer to a York reporter the other day: "The sian army is composed of 192 infa regiments of 3,500 men each, or 672 men all told; of the sharpshooters, n bering 46,000 men; of the frontier ba ions, comprising 27,000 men; of cave 25,000 men, and of Cossacks, number 18,000 men. In the Russian artillery th are about 80,000 men, with 2,424 can of the foot artillery and 150 cannot the horse artillery. Our engineer of norises about 27,000 men. There the Russian army, ready to move, o sists of 920,000 men. Besides, there the artillerymen stationed at differ fortresses all over the country to number of not less than 50,000 m There are also many local battalions local duty. As to the reserves, I n safely state they will amount to a l of the active army as stated above-t is, about 450,000 men and 1,200 cann There are also special recruiting force composed of experienced officers and n and numbering 6,000, who would be a in a short time to instruct and prep for service ten times as many new cruits. In the Afghan war the Cossa would be of great importance. Th are the Cossacks of the Don, of Kuban of Orenburg, of the Trans Baik of the Terek, of the Ural, of Siberia, Astrakhan and of the Amoor, numberi 125,000 men, ready to move at sh

Island, forty-six versts, or about thir one miles, from St. Petersburg. Th are two channels leading to the capit one north and the other south from Cro stadt. Both channels are, as it we virtually closed by the three strate lines of powerful forts on artific islands. Now, in order to reach Petersburg, the English men-of-war wor have to pass between these forts. By device of our own we may concentr the fire of at least a hundred cannons one time, and on any point of those ch nels. As I have already said, we mig easily sink there the combined fleet of Europe. The cannon we have there of the heaviest and best made in ex ence. Some of them could welcome English with half-ton cannon balls. ( men-of-war might also stand between those forts and act as forts. Besides that, each channel there is closed by t pedoes.

"Cronstadt is situated on the Kot

East, all English impediments to contrary notwithstanding. You kno of course, how jealously England water ed each of our steps eastward, and h readily she kept even the company of Sick Man, provided that served her p pose of keeping Russia away from Inc and Constantinople. But the inevital must come sooner or later. It seems me that the hour of English decline near at hand. Her great historical re is played out. Her future fate we m see in that of Holland. If Engla should be beaten in Afghanistan h prestige would be ruined, not only India, but also in all her colonies all ov

"Russia is a powerful and solid

tion, which expands naturally because

its growth. She will be the master in

Russia puts at stake nothing and England Lord Garmoyle Ready for War. "Walk in," lisped a feeble treble voice as a Journal reporter knocked at the do of Lord Garmoyle's parlor in the Hot Brunswick yesterday.

he world. As I said before, in this w

found his Lordship humming "Britann Rules the Wave," arrayed in the full un form of a British officer. "What do you think of my uniform asked the newly made Earl, as he wheele on the heels of his high dragoon boo

and advanced two paces forward.

The reporter obeyed the summons, as

Unfortunately he was unaccustomed the vagaries of a dangling saber, and the frightful implement entangled him so the he fell with a crash, the helmet rolling from his head to the floor. "Me Lud?" shrieked James, his faith ful valet, as he rushed forward and pic

The Earl held the little finger of h right hand up for his valet's inspection There was a long scratch across the digi made by the sword scabbard, and th blue blood had begun to flow. The valet placed a big bottle of smel

ed up his master.

ing salts under his nose, which restore his Lordship. "I'm going to the war to fight th Afghans," he lisped, sadly. "I have bee appointed a captain in the Sixth North British Dragoons, and this is my full drea uniform. Isn't it pretty? Do you know I've already seen an Afghan. I went t

Barnum's and saw him there." His Lordship will probably leave in few weeks for the seat of war. - New Yor The Eyes of a Bird.

Nature has many surprises for thos who wait on her. One of the greatest sh ever favored me with was the sight of wounded Magellanic eagle-owl I shot o the Rio Negro, in Patagonia. The haur of this bird was an island in the rive

evergrown with giant grasses and ta willows, leafless now, for it was in th middle of winter. Here I sought for an found him waiting on his perch for th sun to set. He eyed me so calmly when aimed my gun I scarcely had the heart t pull the trigger. He had reigned there s long, the feudal tyrant of that remot wilderness? Many a water rat, stealin like a shadow along the margin between

the deep stream and the giant rushes, h had snatched away to death; many a spo

ted wild pigeon had woke on its perch s

sked the figure

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> When a man takes a loaf of bread. There's no appealing Can make it anything But simple stealing.

When some fat bank becomes the aim osthioves' assaulting. And loaded down the cashier skips, Then it's defaulting:

But when a higher genius comes To do the shearing, And yanks a railroad or a mine, It's financiering.

Russia and England. Said a Russian staff officer to a New York reporter the other day: "The Russian army is composed of 192 infantry regiments of 3,500 men each, or 672,000 18,000 men. In the Russian artillery there are about 80,000 men, with 2,424 cannon sists of 920,000 men. Besides, there are There are also many local battalions for safely state they will amount to a half of the active army as stated above—that is, about 450,000 men and 1,200 cannon. There are also special recruiting forces. composed of experienced officers and men and numbering 6,000, who would be able in a short time to instruct and prepare for service ten times as many new recruits. In the Afghan war the Cossacks would be of great importance. There are the Cossacks of the Don, of the Kuban, of Orenburg, of the Trans Baikal, of the Terek, of the Ural, of Siberia, of Astrakhan and of the Amoor, numbering 125,000 men, ready to move at short notice. "Cronstadt is situated on the Kotlin

Island, forty-six versts, or about thirtyone miles, from St. Petersburg. There are two channels leading to the capital, one north and the other south from Cronstadt. Both channels are, as it were, virtually closed by the three strategic lines of powerful forts on artificial islands. Now, in order to reach St. Petersburg, the English men-of-war would have to pass between these forts. By a device of our own we may concentrate the fire of at least a hundred cannons at one time, and on any point of those channels. As I have already said, we might easily sink there the combined fleet of all Europe. The cannon we have there are of the heaviest and best made in existence. Some of them could welcome the English with half-ton cannon balls. Our men-of-war might also stand between those forts and act as forts. Besides all that, each channel there is closed by tor-

"Russia is a powerful and solid na tion, which expands naturally because of its growth. She will be the master in the East, all English impediments to the contrary notwithstanding. You know, of course, how jealously England watched each of our steps eastward, and how pose of keeping Russia away from India and Constantinople. But the inevitable he world. As I said before, in this war everything."

## Lord Garmoyle Ready for War.

"Walk in," lisped a feeble treble voice as a Journal reporter knocked at the doo of Lord Garmoyle's parlor in the Hotel Brunswick yesterday.

The reporter obeyed the summons, and found his Lordship humming "Britannia Rules the Wave," arrayed in the full uniform of a British officer.

"What do you think of my uniform?" asked the newly made Earl, as he wheeled on the heels of his high dragoon boots and advanced two paces forward.

Unfortunately he was unaccustomed to the vagaries of a dangling saber, and the frightful implement entangled him so that he fell with a crash, the helmet rolling

from his head to the floor. "Me Lud?" shrieked James, his faithful valet, as he rushed forward and picked up his master.

The Earl held the little finger of his right hand up for his valet's inspection. There was a long scratch across the digit, made by the sword scabbard, and the blue blood had begun to flow.

The valet placed a big bottle of smelling salts under his nose, which restored his Lordship.

"I'm going to the war to fight the Afghans," he lisped, sadly. "I have been appointed a captain in the Sixth North British Dragoons, and this is my full dress uniform. Isn't it pretty? Do you know, I've already seen an Afghan. I went to Barnum's and saw him there."

His Lordship will probably leave in few weeks for the seat of war. - New York

## The Eyes of a Bird.

Nature has many surprises for those who wait on her. One of the greatest she ever favored me with was the sight of a the Rio Negro, in Patagonia. The haunt willows, leafless now, for it was in the middle of winter. Here I sought for and found him waiting on his perch for the sun to set. He eyed me so calmly when I city of Boston. aimed my gun I scarcely had the heart to pull the trigger. He had reigned there so long, the feudal tyrant of that remote wilderness! Many a water rat, stealing like a shadow along the margin between ted wild pigeon had woke on its perch at land.

night with his cruel crooked talons piercing his flesh; and beyond the valley on mou had been slain on her nest and her beautiful, glossy, dark-green eggs left to grow pale in the sun and wind, the !ittle lives that were in them dead because of their mother's death. But I wanted that bird badly, and hardened my heart; the "demoniacal laughter" with which he had so often answered the rushing sound of the swift black river at eventide would be heard no more. I fired; he swerved on his perch, remained suspended for a few moments, then slowly fluttered down. Behind the spot where he had fallen was s great mass of tangled dark-green grass, out of which rose the tall, slender boles of the trees; overhead through the fret bering 46,000 men; of the frontier battalions, comprising 27,000 men; of cavalry, and of Cossacks, numbering 18,000 men. In the Russian Activity desert over it all. I found my victim, stung of the foot artillery and 150 cannon of by his wounds to fury and prepared for the horse artillery. Our engineer corps the last supreme effort. Even in repose comprises about 27,000 men. Therefore he is a big eagle-like bird; now his apthe Russian army, ready to move, con- pearance was quite altered, and in the dim, uncertain light he looked gigantic the artillerymen stationed at different in size—a monster of strange form and terfortresses all over the country to the rible aspect. Each particular feather stood number of not less than 50,000 men. out on end, the tawny barred tail spread out like a fan, the immense tiger-colored local duty. As to the reserves, I may wings wide open and rigid, so that as the bird, that had clutched the grass with his slowly from side to side-just as a snake angry, watchful cat moves its tail-first touched the ground. The black horns stood erect, while in the centre of the wheel shaped head the beak snapped incessantly, producing a sound resembling the clicking of a sewing machine. This nificent furious eyes, on which I gazed with a kind of fascination not unmixed of pain suffered on former occasions from great globes of quivering yellow flame, the black pupils being surrounded by a scintillating crimson light which threw out minute yellow sparks into the air.

## vanish .- The Gentleman's Magazine. A Queer Newspaper.

La Correspondencia (The Correspond ence) of Madrid, Spain, has the largest circulation of any paper published at the capital. Everybody reads it, and, from the universality of its perusal, it is facetiously called the "Spanish night-cap," be cause no one is supposed to have gone to bed without having read it entirely through. And it must be read through, for it is the most extraordinary hodgepodge and olla podrida ever printed as a newsthe illness of the king, the latest earth- Conkling took off his helmet, and said: readily she kept even the company of the quake news, the price of eggs, the open-Sick Man, provided that served her puring of a new cafe, a Carlist rising in the hadn't turned the water off I'd have been north, the burglary of a shop, an excur. in China by this time." sion party's adventures in the mountainsmust come sooner or later. It seems to the latest club scandal, the running away reef directly under Tom's feet, and he had me that the hour of English decline is of a horse, a convention of wine mer- sunk to his waist before the water was near at hand. Her great historical role chants-every thing, in fact, that occurs turned off. see in that of Holland. If England respondencia. The reporters bring in their hydraulic jet machine was rigged up and should be beaten in Afghanistan her news like so many bees coming home the clay was washed out, and the bould prestige would be ruined, not only in honey laden. They put their copy, writers were taken up by grappling irons till India, but also in all her colonies all over ten at the clubs, or hastily penciled in the channel was 26 feet deep. General Russia puts at stake nothing and England | black leather bag at the office. When the | year it was patented. composing-room runs out of copy to set, the foreman goes to the black bag and helps himself to a handful of manuscript. It is all set and all printed without any regard to order or typographical display You read it because you know that in its crowded columns is everything of note occuring at the capital. You read every line, for, if you skip at all, the very bit of news you want may be the one skip. ped. The circulation of this paper is rated at 200,000 daily, and on occasion at 300,000. It is the vivid portrait of Mad rid life; the doings of the world of Spain are pictured in its pages. Nothing is too small, nothing too great for the reporters of La Correspondencia. It is the ideal newspaper, composed of news pure and simple.—Boston Herald.

> National Encampment, G. A. R. An elegant and very tasteful circular, bearing on the corner the time-honored badge of the G. A. R. in bronze and Central, "The Niagara Falls Route." It presents to the veterans all necessary information about the various attractive routes it offers to the National Encampment at Portland. June 24th, and is of unusual public interest. The inducements to an Eastern trip, combining a visit to old friends, and attendance upon the largest and most notable military reunion since the war, are irresistible.

Members of the G. A. R. and W. R. C. their families, and such bands and other organizations as may accompany them, can purchase of the Michigan Central, at the lowest rates, round trip tickets to Portland and return, good for thirty days, and with the privilege of stopping over on the return trip. The first route takes them right through in about forty-one hours via Niagara Falls, Buffalo, Albany wounded Magellanic eagle-owl I shot on and Boston, and will be taken by the Commander-in-Chief and staff, whose specia' of this bird was an island in the river train will leave Chicago, Toledo and overgrown with giant grasses and tall Detroit on the 20th. This route has the advantage of the finest views of Niagara from the train, the grand scenery of the Berkshire mountains, and the historic

The second route takes them through the wild, wonderful scenery of Canada by the new line of the Canadian Pacific, via Ottawa, to Montreal, thence past Memphremagog and other lovely New England the deep stream and the giant rushes, he lakes, by the only line running through had snatched away to death; many a spot- the heart of the White Mountains to Port-

the bushy uplands many a crested tina- the great cantilever bridge, through the bers all the fool things I used to say to bewildering beauties of the Thousand Islands, down the rapids of the St. Lawrence to Montreal, and then through the White Mountains by Fabyan's and the Notch, past the very feet of Washington, Adams and the other giant peaks of the Presidential range. A special train will run by this route and a special steamer

chartered.

The Michigan Central claims that no other line offers comparable attractions, greater comforts or lower rates. It is first and foremost "The Niagara Falls Route." From the cars of no other road is a good view of the Falls obtainable; while the Portland & Ogdensburg is the only line passing through the heart of the White Mountain region, no other running with-

in sixteen miles of Mt. Washington. A beautiful engraving of Niagara Falls, with the Michigan Central train stopping at Falls View, and a clean, well executed map showing in color the different routes accompany the circular. We presume that any Michigan Central agent can supply a copy, but a postal card to O. W. Ruggles at Chicago will undoubtedly procure one.

Cutting Through a Bar. When General John Newton and the United States engineers were trying to get great feathered claws, swayed his body rid of the Diamond reef, near Governor's Island, in the autumn of 1878, says the about to strike sways its head, or as an New York Sun, it was rough work to remove the indurated clay and boulders. the tip of one then of the other wing They got rid of all the rock near the surface, but when it had been cleared away to a denth of 19 feet the work became so difficult that they were almost ready to abandon it. They were working for a 26 foot channel, but the boulders stuck fast was a suitable setting for the pair of mag- in the clay, and only a drill and blast

could dislodge them. General Roy Stone, who commanded with fear when I remembered the agony the Bucktail brigade during the war, was one of those who were watching the work sharp, crooked talons driven into me to He saw how slowly it was going on, and, the bone. The irides were of a bright remembering the rapidity with which a orange color, but every time I attempted jet of water tears away rocks and soil is under water on the Diamond reef. The majority of the engineers held that this plan would not work, because the water When I retired from the bird this pre ternatural fiery aspect would instantly do better. Still, the stream of water was worth trying, and General Newton permitted the experiment. A hose was rig-19 feet to the reef.

"It's no use trying," he said before he

sank. When he got to the bottom he strapped the hose to his waist and held the nozzle firmly between his knees, with the end paper. It is a newspaper rather than a pointed beyond his toes. He pulled the dozen bright reporters and no editor. The turned on. In less than a minute came reporters scour the capital and pick up two violent jerks, and then three rapid every item of interest, cabinet resigna- yanks. That meant to shut off the water tions, the accident to your washerwoman, and hoist him up. Panting and pale, Tom

The water jet had bored a hole in the

memorandum books on the streets, into a Stone perfected his invention, and last

## Unbelievers' Hymns.

A singular fact about hymnology, is that by men who were either not religious at all, or whose claims to religion rested on a very slight foundation.

Addison was never celebrated for the depth of his piety, but two of the best by means of small gold plates. hymns in the language are accredited to him, "The Spacious Firmament on High," and, "When All Thy Mercies, Oh My

God." Moore was not quite as noted for the depth of his religious feelings, as was Addison, but the finest lyric of religious character to be found in English, or any other tongue, "Come Ye Disconsolate," was from his pen, and has given more comfort to thousands than perhaps it ever

did to its author. The celebrated hymn, "Come Thou of a Pagan poem, said to have been writ-

ten by Emperor Hadrian. All these were good, not because their authors were bad men, but because, although bad men, they were good poets and besides, had an occasional flash of genuine religious devotion, which expressed itself in song, with pure sentiment and good taste.

The whole subject of psalmody of the church is apparently in need of overhauling. The ordinary collections contain too many hymns, and of these too large a proportion are not of a suitable character for use in public worship. It is but just to say that those who are most interested in the subject see this fact perhaps more clearly than any other, and there are not wanting indications that before many years there will be a general overhauling of the hymn books, and a very liberal excision of such hymns as no longer fall in with the spirit of the times.-St. Louis

## Globe-Democrat. One Thing He can't Understand.

"One thing I can't understand," said a oung husband today, " is how quick a roman can forget some things. A year ago, when I was courting my wife, I had only to say music, and she was ready to knock a spavined old piano her father owned clear off its legs; but now that she vague idea of the English language, and their style of "challenging" was unique. As I was tribution taken up among the Blaine boys last fall, I can't get her to play even the last fall, I can't get her to play even the

rich fields of Western New York, by the her, and throws them at me pat enough views of life, but when it comes to rebought out the compliments, she can't be card. depended on. What a pity it is that young people can't go on courting always. Milwaukee Journal.

## Our Girls Abroad.

An ill-natured correspondent thus writes from London:-"There seems to be some unexplained connection for American girls in the study of singing and yellow hair dye. A large percentage of the embryo prima donne from across the Atlantic, on whom nature has bestowed bleach or blonde their tresses as a preliminary step to their future career. It is a of maidens a 'fast' look, which is all the erally. more damaging when aspect and conduct are so widely at variance. Rightly or wrongly, an artifically colored head of yellow hair on a young actress or singer has come to be looked upon much as the vellow mantle was in the days of ancient Rome. When combined with rouged cheeks, pencilled evebrows, kohl-shaded eye and tinted lips, the wearer is looked upon much after the fashion of Louis Napoleon in Punch's famous caricature which represented the then powerful and dreaded Emperor as a hedge-hog with his back bristling with bayonets. The motto of the cartoon was, 'Well, he may be an innocent animal, but he don't look like

## Women and Horses.

Is it not a little remarkable that handsome women and handsome horses so generally go together? But it is a fact. Take the blue grass region of Kentucky for instance. There you will find the women remarkable for their beauty and fine physical points. The same is the case to approach the bird they kindled into the operations of hydraulic mining, he with their horses, which are widely celeconcluded that it would do the same thing brated. Take, also, Baltimore. That city is said to be one of the most remark able in the world for the beauty of its women. It is equally noticeable for its over the reef, as they thought, would splendid horses. Take, also, Arabia. neutralize the effect of the jet. One of The Arab man is not a "beauty spot," but them suggested that a sand blast would many of the women are of such wondrous beauty that they are called "houris," that is to say, angels that live on earth. The Arab horse is as distinguished for beauty ged to a powerful force pump, and Tom and fine points as the Arab woman. And Conkling, an old diver who had worked so you can go on indefinitely, finding at reefs for a score of years, put on his beautiful women the rule wherever you diving suit, took a hose and went down find fine horses the rule. The only exception probably is the island of Jersey, which is somewhat remarkable for the beauty of its women, while its horses are not remarkable for any fine points. Its cows. though, are thought to top the world for milkers and also for a certain exquisite sort of beauty in the eyes of cow fanciers. paper of opinion. The staff consists of a signal string once, and the water was Its ladies, therefore, seem to run more after the cow than the cow than the horse. It seems to be well established then. that if a community would improve the beauty of its women it must begin the good work with its horses, and in some localities with its cows. It would be easy "It'll work. It'll work, general. If you to explain this, but I am only calling at-

thing .- Texas Paper. ETRUSCAN FALSE TEETH.-There is is played out. Her future fate we may and can be put in print. This is La Cor
Everybody was convinced. A regular nothing new under the sun, and not even to it. claim the honor of having been the first to supply gap-toothed humanity with the subtlest of mastication knives. This has recently been proved by Italian antiquarians, who have discovered false teeth in a skull which has been excavated in an ancient Etruscan cemetery, with many other curiosities at present safely stowed away at the museum of antiquities at Corneto, many excellent hymns have been written in Tuscany. The sepulchre out of which the skull was taken dates, according to experts from the fifth or sixth century B. C., and the false teeth are nothing but animal teeth attached to the human teeth

tention to fact, and not explaining any-

## VARIETIES.

THE rush of Marylanders to Washington for office recalls a story of Andrew Jackson's time that was told on a Marylander. One day s travel stained, weary looking man called or the President, and after salutations had been passed Jackson expressed surprise at seeing the stranger. "Why, where did you come from?" asked the President. "I came from Baltimore," was the reply. "How did you get here? There are no trains arriving at this time of day." "No, sir," replied the stranger: "I Fount of Every Blessing," was written by got tired waiting to find room on the trains, so an irreligious man, while Pope's "Vital I just walked over. I have been twenty years colors, comes to us from the Michigan Spark of Hevenly Flame," is a translation sitting under an old hickory tree waiting for nuts to fall, and I have not had one yet.' Well, what do you want?" asked Jackson "I want to be watchman in the custom house and I want to know if you won't give it to me.' The President laughed and wrote the old man letter recommending him, and gave him \$5 to pay his way home, and they do say in Washington the old man is still in the custom

RELATED TO TOM SAWYER .- " Here boys, called a man; "come here and catch this rat Biggest rat you ever saw ran under that pile of lumber. Throw it over here. Now, we'll get him."

Three or four men went to work and moved in enormous pile of lumber, but did not find the rat. "The owner of that lumber will be mad,"

said some one, addressing the man who had called the boys. "No, he won't. I am the owner."

"Why, Indeed, you must be an enemy rats, going to so much trouble to catch one.'
"I didn't see any rat." "Then why did you let the boys tear dow your lumber?"

"Oh, you see, I wanted it moved." BEN. PERLEY POORE tells the following and

dote anent the German division, commanded by Gen. Blinker at the outbreak of the rebel lion:

"Like the children of the captive Jews, who spoke 'half in Hebrew and 'half in the speech of Ashdod,' these Teutonic warriors had a vague idea of the English language, and their

The third route described takes them simplest tune. She's so 'out of practice, all the pickets on the Leesburg turnpike on the by the brink of Niagara Falls and over and can't remember a note.' She remem- presentation of a free season ticket on a railroad route, which was first shown by accident instead of the legitimate pass from when I don't happen to agree with her knowledge of the sentries. 'Yah! dat ish goot -forward!' was the approving verdict after membering the accomplishments that each ostensible careful examination of the

> DURING the Mexican war, after the Ameriresting satisfied with the assurance that can army had entered the City of Mexico, the their respective parents were married."—
>
> Milenaukee Journal
>
> young officers had very little to do but to shine their boots, dress well and visit the senoritas. Along with the Kentucky troops was the famous story writer Mayne Reid. One day Reid was shining his boots and repeating at the same time the lines-

"At midnight in his guarded tent
The Turk lay dreaming of the hour,
When Greece, her knee in suppliance bent,
Should tremble at his power,"—

when Ed. Marshall, our own Hon, E. C. Marshall, now, or recently, Attorney General of California, put in with: "Grease her knee, Reid? Now, why did she grease her knee? black or dark brown locks, proceed to That's the question that agitates this whole continent." Reid looked at him with utter ontempt, and made the laconic remark: "You great mistake, as the process confers up- are a fool." A duel followed, in which Maron the purest and most innocent minded shall lost a finger and got the worst of it gen-

Albert Edward, Albert Edward,
Sure to E in straight did go,
And in Dublin, loyal city,
Scarcely found a bitter foe;
But when he wandered southward,
On his journey sweetly bent,
From the jar of Irish feeling
Flew the Cork of discontent.

THE Windham, Ct., Transcript tells the following story with a moral:

In a corner of Windham County there lived some years ago a man of considerable wealth. He knew he was near death, and sent for a lawyer to make his will. His wife and daughter were present, and greedily watched pro ceedings. After most generously providing for them the sick man directed the lawyer to designate \$500 to his aged sister, who was needy. The wife and daughter remonstrated angrily. Quietly the man said: "Make it \$1,000 for my sister." Another protest from the vultures. "Make it \$1,500, 'squire," coolly said the legator. "You shall not." shouted the sweet souled females. "Make it \$2,000," said the will-maker, serenely, and here the selfish fools concluded it was policy to hold their tongues. The lawyer has kept the secret for years, but somehow it leaked out as a warning to all classes and sexes.

THEother day a little cherub of but a very few summers sat at the window of her residence on East Fourth Street, when a genuine dude walked wearily by. His legs were phantom like, his shoes long and pointed, his dress foppish. He wore a single eye glass and carried a diminutive rattan cane. As he stared about idiotically, the little one said: " Mamma, did Dod make 'at man?"

"Yes, my darling." The little one looked again and giggled, and with a merry twinkle in her eye said: "Mamma, Dod likes to have fun des' as

much as anybody, don't He?"-St. Paul THIRTY YEARS' PROGRESS .- " Don't sit so

near the window, darling," said a spoony young bridegroom to his bride on their wedding tour; "let us try to keep the car all to ourselves. Some crank is sure to get in if he sees your pretty face." The speaker thirty years later: "Move up

to the window, old woman, so that we may have the car to ourselves; you will frighten all the passengers away, you know."

"I BELEVE I've lost my wits." said a worried husband to his wife. "Indeed? I didn't know you had any to

lose," she answered, sarcastically.
"Oh. yes, dear; I had some once."

"Well, I never observed them." "No, love; I lost them just before I met He didn't want to say it, but she drove him

I HEARD an excellent joke the other night at a sociable, at which Prof. Green, of Harvard, was present. Some gentlemen were discussing the origin of language, when the Professor was asked to give his views. "I can't say I know very much about it," he said; "but I suppose language was introduced during Adam and Eve's first quarrel, when one word probably brought on another."

SQUIRE PUMMEL-"I tell you, Deacon, my daughter, Sue, is going to be a first class artist. Her cattle pieces are so natural you can almost hear the critters low." Deacon Pummel-Pooty good. But my daughter Sal can beat that. She hain't no faith in cattle pieces. But she's painted some green cowcumbers so nat'-ral that the hull family came near havin' chol'ra morbus."

## Chaff.

A close friend-One who won't lend you a The bitterest herb in the woods is called failure.

When you go forth to do a good deed put of the slippers of silence. A great many men get their fingers burned with base ball matches.

He that calls a man ungrateful sums up all the evil a man can be guilty of. Life asks: "Did you ever see a salad dressing?" Oh, yes, and a turkey stuffing, too. Education begins the gentleman, but reading, good company and reflection must finish

"Papa, why do the little pigs get so much milk?" "Because we want them to make hogs of themselves." A man must be excessively stupid, as well as uncharitable, who believeth there is no virtue

but on his own side. A new motto for Tennyson, slightly altered from his own verses: "Words, idle words, I know not what they mean."

The finest friendships have been formed in mutual adversity, as iron is most strongly united by the flercest flame. A Philadelphia barber tells a reporter that "it ain't good form now for barbers what is gents to gas their subjects."

Beware of inquisitive persons; a wonderful curiosity to know all is accompanied with as great a desire to tell it again. Dude, coming into the Editor's sanctum, says: "Anything fresh to-day?" Response—"No; nothing until you came in." [Exit].

"Ever see Niagara?" "No." "What, never see the great cataract?" "No, but I've been to the skating rink and seen the falls there." No man can enlist in the regular army of China until he has shown his courage by having a tooth pulled. If he yells he is dis

The little girl who had been punished several times for going into the street, called after the groceryman: "Tome back and shut that date, so I tant dit out."

The Syracusan was going to move the earth when he found a place to fix his lever. If he had succeeded it would have been a great exhibition of pried.

School Teacher (to a stupid fat boy)—"You are better fed than taught, or else I am mistaken." Stupid Boy—"Yes, I be, cause I feed myself an you teach me!"

Lady to caller—"I regret we were not gratified with your presence at our daughter's wedding." Response—"I can't understand that; my presents were sent two days before." How many of our most cherished beliefs are

like those drinking glasses of the ancient pattern, that serve us well so long as we keep them in our hand, but spill all if we attempt to set them down!

It is a tradition that one of the signers of the Declaration of Independence said, as he signed his name to the document and handed the quill to his neighbor, "We must now hang together, or hang singly!"

"Now, Uncle Gabe, if you have got anything on your heart, any last wish, speak out," said the Rev. Baxter to an old negro who had only a few hours to live. "I ain't got no last wish, 'cept dat I wants ter get well."

"That conductor will never be able to get through this crowd. The car is just packed." "Oh, yes, he will. He's a great admirer of Dryden." "I don't understand." "Well, he believes that 'none but the brave deserve the fare."

There we: e several tramps together when the policeman gathered one of them by the arm, saying; "You move along with me." "Don't take me. Take one of the other fellers. I always have the luck to be locked up when I take a walk with a policeman."

As a general rule, that society where flattery is acted is much more agreeable than that where it is spoken. Attention and deference don't require you to make fine speeches expressing your sense of unworthiness (iles) and returning all the compliments paid you.

Siek Headache.-Thousands who have suffered intensely with sick headache say that Hood's Sarsaparilla has completely cured hem. One gentleman thus relieved, writes: 'Hood's Sarsaparilla is worth its weight in gold." Sold by all druggists. 100 doses \$1.

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I am gratefully yours,

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Biliousness, Sick Headache.

Biliousness, Sick Headache.

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Yours truly,

HOMER B. NASH.

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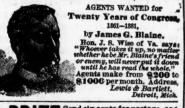
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Scalp, heals Ulcers and Sores, and restores the
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ZW Send for "How to Cure Skin Diseases."

A T a session of the Circuit Court for the County of Wayne in Chancery convened and held at the Circuit Court room in the City of Detroit, on the twenty ninth day of April, in the year one thousand eight hundred and elighty-five. Present Juo J. Speed, Circuit Juage.

Emma L. McIssac, Complainant, vs. Harold McIssac, Defendant. In this cause it appearing by affidavit herein filed that the defendant Harold McIssac, is not a resident of the State of Michigan, and is a resident of the State of California. Ommotion of Atkinson & Atkinson, Solicitors for complainant it is ordered that the defendant Harold McIssac appear in this cause and answer the complaint filed therein on or before August 29th, 1885.

JOHN J. SPERED, mgg-7t Count of Detroit to

A Ta session of the Superior Court of Detroit in Chancery convened and held at the court room in the City of Detroit, on the fourth day of May, in the year one thousand eight nundred and eighty-five. Present, J. Logan Chipman, Judge of said Court

May, in the year one thousand eight hundred and eighty-five. Present, J. Logan Chipman, Judge of said Court.

James J. Atkinson vs. Mary L. Battersby, Lawrence Kilroy, Bridget Kilroy, William Lyona, James Dennison, John Dennison, Edward Dennison, Kate Dennison, Bridget Duggan, William H. Eberts administrator, etc.

In this cause it satisfactorily appearing to the court from affidavit on file in this cause that the defendants Mary L. Battersby, Bridget Kilroy, William Lyona, Thomas Lyons, John Lyons, Mary Ana Lyons, James Dennison, John Dennison, Edward Dennison and Kate Dennison are not residents of the State of Michigan, but reside in Ontarie, one of the British provinces of North America, on motion of James J. Atkinson, solicitor for complainant, it is ordered that said defendants, Mary L. Battersby, Bridget Kilroy, William Lyona, Thomas Lyons, John Dennison, Rdward Dennison and Kate Dennison, John Pennison, Rdward Dennison and Kate Dennison appear in this cause and answer the complaint filed therein on or before September 5th, 1885.

Judge of the Superior Court of Detroit.

Judge of the Superior Court of Detroit.

On the fifth day of October, 1897, Mary Ann Hudson executed and delivered to Charles B. Hebbard a mortgage (dul) stamped and sealed on teat certain piece or parcel of land situate, lying and being in the city of Detroit, Wayns County, Michigan, known and described as the east half of lot number (87) eighty-seven of the subdivision of the Riopelle farm (so called) according to the plat thereof as recorded in the office of the Register of Deeds for said Wayns County, said lot being on the fouth side of Fort Street between Riopelle and Orleans Streets. Said mortgage was recorded on the tenth day of Octaber, 1867, in liber 61 of mortgages on page 132 in the office of the Register of Deeds for said Wayns County. It was assigned to George Molver Nevember 37, 1883, McIver assigned it to John W. Thompson June 27, 1884, and Thompson executed and delivered an assignment of it to the undersigned James J. Atkinson and Dwight O. Rexford on December 24th, 1884. Default has been made in the payment of interest due April 5th, 1885, and in previous payments, and we claim that there is now due on said mortgage the full principal one hundred dollars and thirteen dollars interest; notice is hereby given that by virtue of the power of sale in said mortgage we shall on the seventh day of August, 1885, at one o'clock, P. M. sell said premises at public vendue at the Griswold Street entrance to the City Hall in Detroit, the place for holding the Circuit Court for said County.

JAMES J. ATKINSON, DWGHT O. REXFORD, Assignees of Mortgage.

CTATE OF MICHIGAN.—In the Superior Court of Detroit, in chancery.

Avis Gray, complainant, vs. Robert Gray, defendant. At a session of said Court held at the Court Room in the City of Detroit, May the 9th, 1885. Present Hon. J. Logan Chipman.

Upon due proof by affidavit that Robert Gray, defendent in the above entitled cause pending in this Court resides out of the State of Michigan, and in the British Provinces of North America, and on motion of William Look Solicitor for Complaint it is ordered that the said detendant de appear and answer the bill of complaint, filed in the said cause within four months from the date of this order, else the said bill of complaint shall be taken as confessed, and further, that this order be published within twenty days from this date, in the MICHIGAN FARMER, a newspaper printed in the said County of Wayne and be published there once in each week for six weeks in succession; such publication, however, shall not be necessary in case a copy of this order be served on the said defendent personally, at least twenty days before the time herein prescribed for his appearance.

Datad this yth day of May, A. D. 1885.

twenty cays before in that his appearance.

Dated this 5th day of May, A. D. 1885.

J. LOGAN CHIPMAN,

A true copy; attest: Judge of said Court.

W. E. BAUBIE, Deputy Register.

WILLIAM LOOK,

Complainant's Solicitor and of Counsel.

CTATE OF MICHIGAN.—Circuit Gourt for the County of Wayne. In Chancery. Fannie A. Fuller vs. Henry S. Fuller and the City of Detroit on the sixth day of May, A. D. 1885. Present, Hon. William Jennison, Circuit Judge. It satisfactorily appearing to the Court by amdavit on file that the defendant, Henry S. Fuller, is not a resident of this State, but when the same was last known to complainant was in the State of New York, while his present residence is unknown to her, on motion of Mr. James W. Romeyn, Sol'citor for Complairant, it is ordered that the said Henry S. Fuller cause his appearance to be entered herein within five months from the date of this order, and in case of his appearance that he cause his answer to the complainant's bill of complaint to be filed, and a copy thereof to be served on the complainant's solicitor within twenty days after service on him of a copy of said bill and notice of this order, at d that in default thereof, said bill be taken as confessed by the said non-resident defendant. And it is further ordered that within twenty days after the date hereof, the said complainant cause a copy of this order to be published in the Michioan Farmes, a newspaper printed, published and circulating in the said complainant cause a copy of this order to be published in the Michigan Farmer, a newspaper printed, published and circulating in said County, and that such publication be con-tinued therein at least once in each week for six weeks in succession, or that she cause a copy of this order to be personally served on said defead-ent at least twenty days before the time above prescribed for his appearance. prescribed for his appearance.
(Signed) WILLIAM JENNISON,
JAMES W. ROMEYN,
Solicitor for Complainant.

THE SCIENCE OF LIFE. ONLY \$1 BY MAIL POST-PAID.



A titudi medical work off mainton.

Exhausted Vitality, Nervous and Physical Debility, Premature Decline in man, Errors of Youth, and the untold miseries resulting from indiscretions or excesses. A book for every man, young, middle-aged and old. It contains 135 prescriptions for all acute and chronic diseases, each one of which is invaluable. So found by the author, whose experience for 23 years is such as probably never before fell to the lot of any physician. 300 pages, bound in beautiful French muslin, embossed covers, full gilt, guaranteed to be a finer work in every sense—mechanical, literary and professional—than any other work sold in this country for \$2.50, or the moment will be refunded in every instance. Price only \$1.00 by mail, post-paid. Illustrative sample 6 cents. Send now. Gold medal awarded the author by the National Medical Association, to the President of which, the Hon. P. A. Bissell, and associate officers of the Board the reader is respectfully referred.

The book should be read by the young for in-

ciate officers of the Board the reader is respectfully referred.

The book should be read by the young for instruction, and by the afficted for relief. It will benefit all.—London Lancet.

There is no member of society to whom this book will not be useful, whether youth, parent, guardian, instructor or cleryman.—Argonaut.

Address the Peabody Medical Institute, or Dr.

W. H. Parker, No. 4 Builanch Street, flostom, Mass., who may be consulted on all diseases requiring skill and experience. Chronic and obtainate diseases that have beffied the HEAL skill of all other physicians a specialty, HEAL Sach treated successfully without an in-THYSELF stance of failure.

Official List of Transfers.

C. Wood—One ram F. C. Wood 203 to is & Ely, Olivet, Mich.; nine ewes from his flock, two from the flock of J. S. Wilmarth m, and one from the flock of J. W. Dey to Parsons, Saline, Mich.; one ewe from the of C. R. Waite, to C. H. Webster, Ann Mich.

or, Mich. orge Wright—One ram G. Wright 53 to oodroff, Plainfield, Mich.; one ram do 50 . Wilhelmane, Iosco, Mich.; two ewes his own flock to Chas. Foster, Meridian,

to B. Withelmane, Iosco, Mich.; two ewes from his own flock to Chas. Foster, Meridian, Mich.

E. Randall—One rame E. Randall 73 to G. D. Shewart, Memphis, Mich.; one ram do 51 to A. Hall, Richmond, Mich.; one ram do 52 to A. F. Randall, Richmond, Mich.; one ram do 49 M. Lewis & Son, Wales Centre, Mich.; one ram de 41 H. Goodar, Richmond, Mich.; one ram do 49 N. Lewis & Son, Wales Centre, Mich.; one ram do 640 to W. H. McCauley, Richmond, Mich.; one ram do 65 to W. H. McCauley, Richmond, Mich.; one ram do 680 to M. M. Harris, Richmond, Mich.; one ram do 680 to M. M. Harris, Richmond, Mich. H. Bird—One ewe W. P. Hall 139 to Charles Bogue, Quincy, Mich.

W. E. Beyden—Five ewes from his own sock to A. F. Smith, Ann Arbor, Mich.

A. J. McMillan—One ram A. J. McMillan 44 to W. Bonham, Colon, Mich.; one ram do 42 to C. B. Thurston, Branch, Mich.; one ram do 51 to George Rowley, Romeo, Mich.; one ram do 123 to A. Fenner, Romeo, Mich.; one ram do 123 to De Wayne Wales, Almont, Mich.; one ram do 130 to Orson Ingalls, Almont, Mich.; one ram do 130 to Orson Ingalls, Almont, Mich.; one ram do 130 to Orson Ingalls, Almont, Mich.; one ram do 130 to Orson Ingalls, Almont, Mich.; one ram do 150 to George Rowley, Romeo, Mich.; one ram do 150 to Wayne Wales, Almont, Mich.; one ram do 85 to E. A. Gilbert, Maysville, Mich.; one ram do 86 to E. A. Gilbert, Maysville, Mich.; one ram do 86 to E. A. Fenner, Mich.; one ram do 86 to E. A. Fenner, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D. Frioke, North Branch, Mich.; one ram do 86 to E. D.

Mich.

James McGregor—One ram J. McG. 85 to A.

Beering, Hunter's Creek, Mich.; one ram do

8t to Hough Bros., Imlay City, Mich.; one ram

75 to John Tozer, North Branch, Mich.; one
ram 67 to G. S. Hallock, Almont, Mich.; one
ram 83 to James French, Hunter's Creek,
Mich.; one ram 66 to John French, Metamora,

Mich.; one ram 66 to John French, Metamora, W. J. G. DEAN, Secretary.

HUNGARIAN AND MILLET.

To the Editor of the Michigan Farmer.

DEAR SIR:-Will you through the dumns of your paper please tell whether Hungarian or millet will grow and do well on low bottom land. I have never had any experience with either of the above named grasses, and having a piece of low land with about eight inches of black loam soil, with a subsoil of yellow clay, would like to sow the same to Hungarian or millet.

Respectfully yours, A. W. FOOT. LIBERTY, April 20, 1885.

ANSWER BY PROF. W. J. BEAL. AGRICULTURAL COLLEGE, May 6, 1885.

There is so much difference in what is called low land, there may be some mistake in my answer. I am quite safe in saying that Hungarian and millet like very warm weather, and are not at home en a cold soil. They will not thrive on the low land unless it is dry enough to raise a crop of Indian corn. I have seen rye do first rate on bottom land where it was sown for soiling in summer, then pasture in fall and spring. W. J. BEAL.

THE WEBSTER FARMERS' CLUB.

To the Editor of the Michigan Farmer. The Farmers' Club of Webster, Wash-

tenaw Co., held a very enthusiastic meeting on Saturday, May 9, at the residence of Mr. Geo. Merrill, President of the Club. The subject of farm fences was discussed at length. The discussion on this question was

ed by Mr. Nordman, of Lina. He | said that he knew of no fence so well numbers cause uneasiness, dead appearsuited to every requirement of the farmer as the barb wire fence. He has tested the slat fence for many years, but would not build another rod offit, because he considered it too expensive and not durable. He says that timber used in slats is al-He says that timber used in slats is almost invariably of an inferior quality and brain or its membranes. We would ad-the barb wire fence to be cheaper and more convenient, but could not say, from leng experience, as to the durability.

Hon. Wm. Ball disagreed with Mr-Nordman, and thought the barb fence a anisance, to say the least. He considers it not durable, and very injurious to stock, He believes in sticking to old things until new ones are tested. The barb fence has not been in existence long enough to speak definitely about its value, but the rail fence has. He thinks it more economical when timber is to be had, to give the rail fence preference over all others. In his estimation the slat fence would rank next.

Mr. W. E. Boyden would choose the rail fence as best in every respect, but thought that scarcity of timber would render its use impracticable. He considers the board fence on the whole, the poorest fence for the farmer.

The question for next June meeting will be corn cultivation, and the cutting and curing of hay.

IRVING S. McColl.

The British Grain Trade.

The Mark Lane Express of yesterday in its review of the British grain trade, during the past week, says:

"The weather has not improved; cold winds and hail-storms have prevailed nightly. Vegetation is showing ill effects as a result of the continued bad weather. The sales of English wheat during the past week were 46,467 quarters at 37s 5d 58,872 quarters at 37s 10d during the corresponding period of last year. Holders of foreign wheat show a disposition to sell freely but find few buyers. Sixteen car! of foreign wheat show a disposition to sell feely but find few buyers. Sixteen cargoes arrived off coast. Two cargoes, including one of California were sold, two were withdrawn and twelve remained, including nine of California. At to-day's market nothing was doing. Flour wsa 6d@1s lower. Corn was 6d@1s lower. Corn was 6d@1s lower. Goats were 6d lower. Barley, beans and peas were unchanged."

Other Panaces, as directed with each package. Foment the udder well with hot water for 15 or 20 minutes; wipe dry, milk clean, and apply a little vassaline to the udder. If any part of the udder is hard, paint with creosote or tincture of iodine, prepared with alcohol and spirits of turpentine.

A special from Bridgeport, Ill., says: The seventeen year locusts, which Prof. Rile predicted, as mentioned in recent Washington dispatches, seem to have made their first appearance here. They have been found in large numbers close to the surface of the ground and moving upwards. The indications are that an enumberally large swarm will appear in a short time. Very extensive apple or chards were planted by capitalists this spring, and a large eruption of locusts will almost certainly kill them.

# Peterinary Department

Conducted by Prof. Robert Jennings, late of Philadelphia, Pa., author of "The Horse and its, Diseases," "Cattle and their Diseases," "Sheep, a swine and Poultry," "Horse Training Made Easy," etc. Professional advice through the columns of this journal to regular enberthers free. Partise desiring information will be ensured by the end their full name and address to the office of the Farrer. No question will be ensured by mail unless accompanied by a fee of one dollar. In order that correct information may be given consult your own interest by making careful examinations of your animals; note every symptom, on matter how trifling it may appear to be; examine the nestrile, lining membrane of the eyelide, note their appearance, the respiration, temperature of the body and legs, condition of the bowels, bidneys, etc., cough, discharge from the ness, eyes or mouth; or any other symptom you may observe. In cases of lameness, note the manner in which the animal picks up the foot, carries the leg forward, or backward, sweaking sensitive to the touch or otherwise, soft or hard. These symptoms, when properly given, assists us to locate the disease, seat of lameness in obscure cases, with some degree of certainty. The symptoms should be accurately deserbed, how long standing, together with color and age of animal, and what treatment, if any, has been recorted to. Private address, 201 First Street, Detroit.

Bloody Milk.

ADRIAN, Mich., May 9th, 1885. Veterinary Editor Michigan Farmer.

I have a four year old Jersey cow, black and white in color; had her first calf one year ago in April; was due to calve this spring March 28th. She was giving six quarts or more per day of milk at first of March. I thought best to dry her off, and commenced milking but once per day, and did not milk her clean. She did not seem inclined to dry off, but by milking less and less I succeeded in getting her dry. About the time I considered her ready to leave, I noticed one hind quarter of the udder was caked some, and when

ready to leave, I noticed one hind quarter of the udder was caked some, and when milked gave lumpy and bloody milk. It was milked out frequently for a time and did not seem to need anything more, and was left, thinking it would all be right when she should drop her calf. She dropped her calf at night, April 6th. By previous arrangement I had to leave home early in the morning of the 7th to be gone about two weeks. When I returned I about two weeks. When I returned I found she was apparently well and doing well, except that one quarter of the udder which gave not more than a third as much milk as it should, and the milk was slightly bloody but not lumpy. The cow appears well; eats well; and gives a nice mess of milk from the other three quarters of the udder. I gave ten drops of aconite five times a day for two days, and then 12 drops three times a day for two or three days, which is all the treatment she has had. The flow of milk continues about the same and is still slightly colored with blood. The udder is soft and pliable?
What is the trouble, and what can I do for her?
WM. K. GREEN.

Answer .- The cause of, bloody milk from one quarter of the udder in your cow appears latent, evidently not from any injury to the part, as indicated by its natural softness. Give the following night and morning from a bottle; sulphate magnesia, one pound; jamaica ginger root, pulv., two ounces; mix and divide into eight powders, dissolve in half a pint of tepid water. Paint the quarter with creosote once only. Or use Evinnco Liniment two parts; water one part, with hard friction twice a day.

No Diagnosis.

VERNON, May 7th, 1935. Veterinary Editor Michigan Farmer.

Can you tell what ails my horse? He is five years old, color bay; when standing in stable will bite his flanks and become frantic; will kick with might and main. Although well fed, is rather thin, and does not thrive. He is wide awake and high lifed his gums are swelled badly; he is neither lousy nor has he any cutane-ous malady. Would worms affect a horse in such a manner? I mention this as he has passed worms more or less all winter.

Answer .- From your description we cannot diagnose the trouble with your si onered at \$ ance of the skin, staring coat, impaired or ravenous appetite, wasteing in flesh, rubbing, sometimes switching the tail, &c. But the frantic spells to which you allude are unusual, and are probably the his directions.

Garget in the Cow.

VERNON, May 7th, 1885. Veterinary Editor Michigan Farmer.

Can you give a remedy in your department of the FARMER for garget? I have a cow ten years old that has given milk for a little over a year; expect her to come in in October next. About a week ago commenced to give clotted milk in one quarter; this was followed in a day or two by another, and then another, until now all are lost. There is no bloody discharge, but the bag is caked some, and milk thick and stringy. If she were not in calf would fatten and dispose of her. She is a first-class cow and would like to save her. Has had good keep and is in good condition. I might say she had some ap-pearance of this same trouble about the time she was being dried previous to having her last calf. She has always been regularly and cleanly milked. Appears to be all right in all other respects. B.

Answer .- Mammities, or garget in the udder of the cow, is the result of inflammation of the lymphatic glands, from whatever cause, usually occurring during the period of lactation. Using Prof. R. Jennings' Bovine Panacea, just before or immediately after a cow comes in, is the

Probably Garget in a Sow.

of turpentine.

PIONEER, MISSAUREE Co., Mich., May 8, 1885. Vetermary Editor of the Michigan Farmer. DEAR SIR.—I had a valuable sow of the Duroc-Jersey breed, full blood, lose her entire litter of pigs yesterday, and I wish to enquire what I shall do to save the sow from the ill effect of not having the milk drawn off. I have drawn a part of it away ibut she will not allow me to handle her year, much I see that the will recommend to the state of the same of the s

her very much. I see also that water is

continually passing from her. Is that usual in sows when farrowing? Yours Truly.
H. BARTHOLOMEW

Answer .- The milk should have been drawn off either by a part of the farrow from another sow or by hand; the failure to do which, causes retention of the milk in the glands, causing inflammation in the parts; the lacteal glands enlarge, become dense, firm, and vascular. In such a condition restoration to healthy action is out of the question. The tendency to superative action destroys the secretive power of the lacteal vessels, which usually occurs within ten or twelve days, unfits the sow for breeding purposes. If the animal is still living we would advise you to consult your nearest veterinary surgeon; we not knowing the sow's condition at the present time, are not justified in prescribing without any further informa-

COMMERCIAL

DETROIT WHOLESALE MARKET.

DETROIT, May 19, 1885 Flour.-Receipts for the week, 2,938 bbls against 3,985 the previous week, and 2,180 bbls. fo orresponding week in 1884. Trade is very no er ate, without any signs of an improvement in the terday were as follows:

Michigan white wheat, choice.....\$5 00
Michigan white wheat, roller process 5 00
Michigan white wheat, patents....5 50
Minnesotas, bakers............5 25

Michigan white wheat, patents... 5 0 65 75 Minnesotas, bakers... 5 25 65 50 Minnesotas, bakers... 5 26 65 50 Minnesotas, bakers... 5 26 64 50 Minnesotas, bakers... 4 25 Pierson sold Flieschman 10 thin butchers' cows as 856 lbs at \$3 65. Merritt sold Wreford & Beck 19 choice butchers' steers at 1,153 lbs at \$5 10. C Switzer sold Caplis 16 good butchers' steers at 1,103 lbs at \$4 50. Newton sold John Robinson a mixed lot of 9 head of thin butchers' stock av 864 lbs at \$3 75. Seeley sold Shields 10 feeders av 329 lbs at \$4 50. Newton sold Shields 10 feeders av 329 lbs at \$4 50. Newton sold Shields 18 stockers av 676 lbs at \$4 20, and 2 eveders av 920 lbs at \$4 50. Newton sold Shields 16 good butchers' steers av 1,03 lbs at \$4 50. Newton sold John Robinson a mixed lot of 9 head of thin butchers' stock av 939 lbs at \$4 50. Newton sold Shields 10 feeders av 329 lbs at \$4 50. Newton sold Shields 10 feeders av 926 lbs at \$4 50. Campbell sold Shields 7 feeders av 926 lbs at \$4 60. Nichols sold Shields 21 stockers av 980 lbs at \$4 50. Shields 21 stockers av 650 lbs at \$4 20. Shields 21 stockers

\$101/4; June at \$102%; and only

Forn.—Market opened weak, and by persistent efforts by "bear" operators was forced down to 51c per bu. for spot No. 2, and 51c for new mixed.

Oats.—The market yesterday was iractive and lower. No. 2 white closed at 40½@41c, and No. 2 mixed at 37½c. For August delivery 32c was bid and 35c was asked.

Barley.—Very quict. State is quoted at \$1 35@

Barley.—Very quict. State is quoted at \$1 35@

Judson sold Fairman 30 stockers av 617 lbs at \$3 .

Gleason sold Hulbert 10 good shipping steers av 1.215 lbs at \$5, and a choice bull weighing 1,720

firm. Very little moving.

Feed.—Lower. Bran, \$18 50@14 per ton. Middings are steady at \$14 for coarse, and \$14 50@15 34 20. for fine.

Butter-Market very quiet. Fine creamery has quoted at 8@12c. Cheese.-Market unchanged. Full crean

per lb., and low grades at 7@8c. Eggs .- Quoted at 11%@12c per doz. for fresh, Honey.-Market dull at 18c per lb., for 1 lb

rames, and 10@11c for 5 lb. frames. Strained, 9 Beeswax .- Steady. Quoted at 25@30c. Dried Fruit.—Sun-dried apples, 3@31/6c per

lb.; evaporated 6@7c; pears 10c; peaches 12c. In quiries light but supply good. Grain Bags.—American A, \$18 50; Stark A \$22 50; Mt. Vernon, \$19 50.

Hay.—Baled hay firm and in good demand at \$16 Ots \$18@20; straw commands \$8 50@9 00 on track.

Beans.—Sellers are asking \$1 25@1 28 for car lots of fine picked stock. Unpicked are selling a 75c@\$1 05 per bu. Small lots of picked sell at \$1 30

Potatoes -- Market dull, Early Rose or rack are quoted at 33@38c per bu. In small lots unotations are 40@34c. Onions.-Quotations are \$1 30@1 75 per bu. Stocks light.

Hops.-Nothing doing, and prices entirely minal. Held at 16@22c in store. Peas.-Very quiet; Wisconsin blue peas are offered at \$1 10@1 25 per bu.; State blue, 75c@

Timothy Seed .- Selling at \$1 75@1 80 per bu. At Chicago quotations are \$1 50 per bu. for prime, and \$1 45 for ordinary. Maple Sugar.-Weak and slow at 8@9c per

Maple Syrup.-Gallon cans 80@85c. Market

Provisions.-Market quiet and easier, with

 Mess, new
 12 00 & 12 25

 Family new
 12 25 & 12 50

 Clear do
 13 75 & 14 00

 Lard in tierces, per b
 7% 7 7 14

 Lard in kegs, per b
 79 20 7 14

 Hams, per b
 99 20 9 12

 Shoulders, per b
 69 20 8 20

 Choice bacon, per b
 28 20 8 20

 Extra Mess beef, per bbl
 11 00 11 25

 Tallow, per b
 54 20 12

 Dried beef, per b
 12 24 20 13

Hay.-The following is a record of the sales at the Michigan Avenue scales for the past week: Monday—26 loads: Seven at \$21; five at \$20; four at \$19; two at \$23, \$22 50, \$19 50 and \$17 50; one at \$20 50 and \$18; tree at \$21 and \$19; two at \$22 and \$17; one at \$20, \$19 50 and \$18; three at \$21 and \$19; two at \$22 and \$17; one at \$23, \$22 50, \$21 50, \$19 50 and \$18 50.

Wednesday—17 loads: Three at \$21, \$19 50 and \$19; two at \$21 and \$18; one at \$22 and \$18.

\$18.
Thursday—8 loads: Two at \$21, 20 and \$19; one at \$22 and \$21 50.
Friday—15 loads: Six at \$20; three at \$21; two at \$22; one at \$21 50, \$19, \$18 50 and \$16.
Saturday—7 loads: Two at \$21 and \$30; one at \$22, \$21 50 and \$18.

LIVE STOCK MARKETS.

At the Michigan Central Yards.

	Datatay, May 10, 1000.					1000.
The following were				Cattle.		Hogs No.
Ann Arbor			••	21		
Albion				47		
Battle Creek				62	28	11
Brighton				21		
Belding				16	34	25
Clyde				23		
Chelsea				39	70	
Concord				***	***	71
D., G. & M. R				170	222	58
Flint				48	***	
Fowerville				25	54	
Crand Blanc				18	60	
Howell	•••	• •	• •	25	144	***
Highland		• •		***	163	10
Howard City	•••			85	- ***	1,
Milford	• • •	• •			80	
Marshall				22		***
Manchester		• •		22	- 211	
Metamora	• • •	• •		57	Š	***
Newport	•••			40		***
Oxford		•••	•	25	***	6
Pl nouth		**	•	30	91	28
Portland				21		21
Wi amston				88	112	42
Ypsilanti				95	158	
Total				916	1,067	273

CATTLE. · The offerings of cattle at these yards numbere 916 head, against 754 head last week. The market opened up active, the demand for shippin cattle being particularly strong, this class selling at fully stronger prices than those of last week. For butchers' cattle the demand was quite active during the early part of the day, at last week's rates, but towards the close, though sales were not made at any material reduction, still ther was a weak feeling in the trade. The following

were the closing.  Brown & Spencer sold Wreford & Beck 20 good butchers' steers and helfers av 1,083 lbs at \$4 78 and 2 fair cows av 1,190 lbs at \$4. Burt Spencer sold Shields 8 feeders av 922 lbs wn & Spencer sold Shields 2 feeders av 950

Brown & Spencer sold Shields 2 feeders av 953 lbs at \$4 60.

Barbour sold Burt Spencer 6 good butchers' steers av 1,150 lbs at \$4 85; 5 feeders to Sullivan av 878 lbs at \$4 50, and 6 av 883 lbs at \$4 40.

C Roe sold Shields 36 feeders av 973 lbs at \$4 50.

McHugh sold Burt Spencer 27 good butchers' steers av 1,077 lbs at \$4 90.

McLufferty sold Burt Spencer 20 choice butchers' steers av 1,168 lbs at \$5 10.

McHugh sold Burt Spencer 10 choice butchers' steers av 1,168 lbs at \$5 10.

Culver sold Sulivan 8 stockers av 850 lbs at \$4.

Aldrich sold Burt Spencer 15 choice butchers' steers av 1,190 lbs at \$5 10.

Campbell sold Wreford & Beck 6 choice shipping steers av 1,493 lbs at \$5 50.

C Roe sold Burt Spencer 4 choice shipping steers av 1,290 lbs at \$5 40.

Pierson sold Shields 4 stockers av 790 lbs at \$4.

Gleanon sold Shields 25 stockers av 790 lbs at \$4. bs at \$4 60. Barbour

425.
Gleason sold Shields 23 stockers av 671 lbs at \$4.
Cornwall sold Fileschman 4 feeders av 950 lbs at \$4.
25, and a fair cow weighing 1,120 lbs at \$4.
Burt Spencer sold Sullivan a mixed lot of 27 head of good butchers' stock av 914 lbs at \$4.
and 5 bulls av 860 lbs at \$3.
Wallace sold Spencer 8 coarse shipping steers av 1,343 lbs at \$4.25; 2 fair butchers' steers av 1,140 lbs at \$4.50, and a good cow weighing 1,370 lbs at \$4.25.

lbs at \$4 50, and a good cow weighing 1,370 lbs at \$4 25.

Plotts sold Burt Spencer 6 good butchers' steers av 1,185 lbs at \$4 90.

C Roe sold H Roe a mixed lot of 11 head of good butchers' stock av 1,026 lbs at \$4 60, and a coarse cow weighing 1,030 los at \$3 50.

Bently sold Wreford & Beck a mixed a lot of 13 head of good butchers' stock av 1,045 lbs at \$4 45.

Stead sold Sullivan a mixed lot of 19 head of fair butchers' stock av 900 lbs at \$4.

C Roe sold George Wreford a mixed lot of 15 head of fair butchers' stock av 904 lbs at \$4.

C Roe sold George Wreford a butchers' stock av 954 lbs at \$4.12\%; 11 coarse ones av 835 lbs at \$3.0, and 4 bulls to John Robinson av 1,117 lbs at \$3.60.

Sullivan sold Wreford & Beck a mixed lot of 15 head of good butchers' stock av 856 lbs at \$4.30; 2 fair steers av 910 lbs at \$4.50, and 2 av 920 lbs at \$4.25.

eman sold Shields 6 stockers av 556 lbs as \$4.20. Gleason sold Shields 14 stockers av 617 lbs at

The offerings of sheep numbered 1,067, against sold at 21@25c; dairy at 15@16c. Choice lots of 720 last week. There was, no demand for ship fresh packed are taken at 17@18c. Low grades ment, and the receipts though small, seemed t trade Prices as compared with those of las State is quoted at 12@12½c per lb.; some special week averaged 10@15 cents per hundred lower. Bullard sold John Robinson 166 av 69 lbs a 4 75. Hall sold Wreford & Beck 90 clipped av 98 lbs at

415. Judson sold Andrews 70 av 74 lbs at \$5. Standlick sold Wreford & Beck 92 clipped av Standlick sold Wreford & Beck & Chpped av lbs at \$4. Osborne sold Morey 80 av 81 lbs at \$4 20. Adams sold Morey 59 av 72 lbs at \$4 60. C Roe sold John Robinson 23 av 73 lbs at \$46 Beardslee sold Wreford & Beck 134 av 69 lbs Brown & Spencer sold Wreford & Beck 118 av 91 lbs \$4 85, and 40 clipped av 84 lbs at \$3 50.

The offerings of hogs numbered 273, against 115 last week. There was fair demand for hogs at @18 for car-loads of timothy on track; warehouse \$4 25@4 35, a decline of 10 cents from the prices

> King's Tards. Monday, May 18, 1885

CATTLE. The market opened up at these about 300 head of cattle on sale. There wer more cattle offered than the trade required, and the market ruled weak. For the best grade common butchers' stock and stockers sold at lecline of 10@15 cents per hundred.

Clark sold Flieschman a mixed lot of 8 head of thin butchers' stock av 850 lbs at \$3 60. av 1,192 lbs at \$5, and 5 to Genther av 1,182 lbs at av 1,192 los at \$0, and 5 to Genther av 1,193 los at the same price.

Nott sold Oberhoff a choice butchers' steer weighing 1,070 los at \$5.

Smith sold Marx 2 good butchers' cows av 1,005 lbs at \$4 15.

Wietzel sold Webb 3 thin cows av 1,008 lbs at

Rundel sold Oberhoff 6 choice butchers' steers av 1,020 lbs at \$5. Will ams sold Harris 3 choice butchers' steers Will-ams sold Harris 3 choice butchers' steers av 1,250 lbs at \$5.

Smith sold Hayes a mixed lot of 6 head of coarse butchers' stock av 665 lbs at \$3.50.

Vanderhoof sold John Robinson 2 good butchers' steers av 900 lbs at \$4.85.

Robb sold Hersch 2 choice butchers' steers av 960 lbs at \$5, and a good heifer weighing 870 lbs at \$4.60.

Scofield sold John Robinson 2 choice butchers' steers av 1.155 lbs at \$5.10.

steers av 1,155 lbs at \$5 10.

Lomason sold Hersch 5 chrice butchers' steers av 1,082 lbs at \$5 10.

Gibson sold Baxter 3 fair butchers' steers av

Gibson sold Baxter 3 fair butchers' steers av 970 lbs at \$4 50.
Williams sold H Roe 6 choice butchers' steers av 1.090 lbs at \$5.
Estep sold Church a mixed lot of 11 head of fair butchers' stock av 852 lbs at \$4 10, and 9 av 980 lbs at \$4. sold Marx 2 choice butchers' steers av 1,140 lbs at \$4 90.

Robb sold Stewart 9 stockers av 584 lbs at

Vanderhoof sold in hose value at \$3 85. Wietzel sold Sullivan 14 stockers av 607 lbs at whetzer soid Shirvan 18 stockers av 607 108 at \$3.30. Stottle sold Beckendorf 2 good butchers' steers av 950 108 at \$45; 3 choice ones to Stickel av 986 108 at \$5, and 2 fair heifers to Kolb av 680 108 SHEEP.

Smith sold Fitzpatrick 36 av 60 lbs at \$4. Stottle sold John Robinson 26 av 63 lbs at \$4 20. Wietzel sold Fitzpatrick 30 av 74 lbs at \$4 40. Robb sold Fitzpatrick 28 av 76 lbs at \$4 50.

Buffalo.

CATTLE-Receipts 4,488, against 7,650 the previous week. The supply of sale stock on Monday was very light and prices averaged 15@20 ents per hundred higher than on the Monday revious. Good butchers' medium weight steers vere in the best demand and were picked up quickly. The best steers on sale brought \$5 90@ 5. For 1,200 to 1,400 lb steers \$5 50@5 75, while light butchers' of 903 to 1,000 lb, sold at \$4 85@ 485; good mixed butchers' stock sold at \$4 15@ 4 50, and common at \$3 50@4. The receipts were light on Tuesday, and the market steady. On Wednesday only four loads were on sale. demand was active and sales were made at a shade advance on Monday's rates. Of Michigan cattle 19 steers av 1,324 lbs sold at \$5 70; 18 do av 1,471 lbs at \$5 45; 15 do av 988 lbs at \$4 95; 28 do av 70 lbs at \$4; 14 do av 1,235 lbs at \$5 15; 14 do av 1,080 lbs at \$5; 17 do av 1,255 lbs at \$5 40; 6 do av 1,380 at \$5 70; 32 do av 1,131 lbs at \$5 20; 18 do av 1,184 bs at \$5 40; 2) do av 1,152 lbs at \$5 25, less \$10 en the lot. The following were the closing

QUOTATIONS: 10rmed steers, weighing 1,300 to 1,400 lbs. 55 Go 85 Go Good Beeves—Well-fattened steers weighing 1,200 to 1,350 lbs. 40 Go 55 Medium Grades—Steers in fine flesh, weighing 1,050 to 1,250 lbs. 48 Go 420 Oxen—Coarse rough to extra. 325 Go 410 Good Butchers' Beeves—Light, fat steers weighing 900 to 1,000 lbs. 425 Go 475 Heffer—Fair to choice. 38 Go 44 Go Gows and Heffers—Good to choice. 35 Go 44 Go Mixed Butchers' Stock—Common steers, stags, old cows. Hort hefs.  NEW ADVERTISEMENTS.

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made in any part of the United States and Canada. Terms reasonable, and made known on application. SHEEP.—Receipts, 25,100, against 34,200 the pre

SHEEF.—Reccipts, 25,100, against 34,200 the previous week. The sheep market opened up active on Monday with a light supply, about all of which were clipped. Prices ranged from 10 to 15 cents per hundred higher, and were all sold. The receipts were moderate on Tuesday, but eastern reports were bad, and the advance of Monday was lost. There was no change on Wednesday, the market closing with a weak feeling. Fair to good 70 to 80 b rheep sold at \$3 75@390; 80 to 90 b, \$404 20; 90 to 100 lb, \$4 25@4 40; 110 to 180 lb, \$4 60@4 75. These prices are for clipped sheep. We note sales of of 244 Michigan sheep, wooled, av 93 lbs at \$5 25; 162 do av 95 lbs at \$5 35; 71 lambs av 68 lbs at \$6 25; 106 do av 70 lbs at \$6; 155 clipped sheep av 107 lbs at \$4.75; 49 do av 97 lbs \$4 30; 23 do av 89 lbs at \$4.80. Hoss.—Receipts, 37,720, against 38,870 the pre-

Hoss.—Receipts, 37,720, against 38,870 the previous week. The hog market opened up active on Monday, and ruled strong, averaged a little higher on Tuesday, but closed 10@15 cents lower on Wednesday. Good to choice Yorkers sold at 465@4 75; fair do, \$455@4 60; medium grades, fair to choice, \$465@4 76; good to extra heavy, \$465@4 70; pigs, common to choice, \$465@4 75; skips and culls, \$375@4.

Chicage.

CATTLE .- Receipts 38,802 against 31,407 the previous week. Shipments 15,087. The cattle market opened up on Monday with 9,500 head on sale. There was a large amount of business done, but at lower prices. On the best it did no mount to over 5 cents per hundred, but on com non grades it averaged nearly 15 cents. Sales to shippers ran from \$4 65@4 80 for common rough leanish lots, from 950 to 1,100 lbs, up to \$4 90@ 5 70 for fair 1,400 to 1,500 lbs steers. Butchers stock did not suffer much although the supply was large. Common to choice cows sold at \$3 50@4 50, and fleshy steers at \$4 50@5. The market ruled weak on Tuesday at a still farther decline 5210 cents. The cattle trade was better on Wed nesday. The receipts were light and prices ad vanced 10 cents. Thursday was again better for cents, and the market closed firm with all sold The early market on Friday ruled steady, but towards the close sellers accepted a decline of 10 cents. The market ruled slow on Saturday and closed at the following QUOTATIONS:

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Agricultural.

NOTES BY THE WAY. oring Fair of the Van Buren County Ag-

ricultural Society-The Country Around The Van Buren County Agricultural ociety having decided to hold a spring fair this season on their grounds at the

pretty village of Paw Paw, it opened on Thursday last under rather unfavorable auspices. The weather was warm, and threatened rain, and everybody who did not have their corn in the ground was too busy to leave home. The machinery men, however, were on hand in goodly numbers, as a fair at this season is really the best thing possible for them, as nearly every farmer is interested in implements and machinery at this time. On exhibition were sulky and hand plows, mowers and reapers, cultivators for both corn and fallow, threshing machines, etc., etc.

The horsemen turned out in goodly

numbers also, and trotters were present

from Decatur, Grand Rapids, Kalamazoo

and other points. It is safe to say the

trotting races were the great attraction of

the fair for a majority of those present, and the horses taking part in them were of more than ordinary merit. The 2:40 race, with a field of six horses, best two in three, was quite exciting, and during its progress the grand stand was well filled with people, among them a large number of ladies, who seemed equally interested in the result with the sterner sex. We had looked for a large exhibition of draft horses, as Paw Paw and vicinity has long been noted for that class of stock as well as roadsters; but the Napoleon of draft horse breeders, Mr. E. Woodman, preferred having a good time to adding to the laurels he had already won, and was numbered among the audience who criticised the performers. Mr. Baldwin, of the firm of Parsons & Baluwin, of Watervliet, seemed of the same mind, and his Percherons were left at home. Can't say as we altogether regretted this, as we found them for the first time on a fair ground with plenty of leisure. Among the horses on the ground was a Cleveland Bay stallion Luck's-All Jr., by Luck's All , dam by Anglo-Saxon. He is owned by a company consisting of Dr. Bartram, J. T. Bangs and G. E. E. Gilman, of Paw Paw. This is one of the handsomes horses we ever saw; a very dark brown so dark as to be nearly black, and in form and conformation as near perfection as seems possible for an animal to be Every point is finished, and for style we

stock then there is nothing in appearance; A sheep-shearing was to have been one of the attractions of the fair, but it was too late in the season to bring out many, as owners of thoroughbred flocks all shear before this. A. W. Haydon, of Decatur brought a ram that sheared 38 lbs., th growth being something over a year; A McWilliams, of Decatur, had one ran G. F. Harrington, of Paw Paw, had three one of them bred from the old Russ flock of Cambridge, Lenawee Co., and sired b a son of Tempest; C. Lindsley of Decatu also had a ram shorn. The officis scoring of the sheep shorn was given t one of the reporters present, and we di not have time to get it.

never saw a horse that surpasses him. I

he don't get some handsome carriage

The large hall was filled with a fine en hibit of foliage plants and flowers, grow by amateurs, two ladies being the pri cipal exhibitors, and fancy needlewor The work in the latter department w never saw excelled, and exhibited a hig degree of artistic skill combined with wonderful amount of patience.

A full description of the articles show would no doubt please the ladies w read the FARMER, but that is beyond t atmost efforts of a pencil that general deals with the strong points of horse cattle, sheep, etc. Another notable e hibit was a large amount of school-wo from the pupils in the public school Paw Paw, such as penmanship, m. drawing, etc. Frank Van Ness, a yeur man who has had but little training,